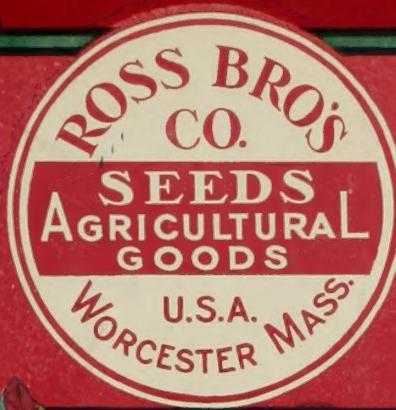


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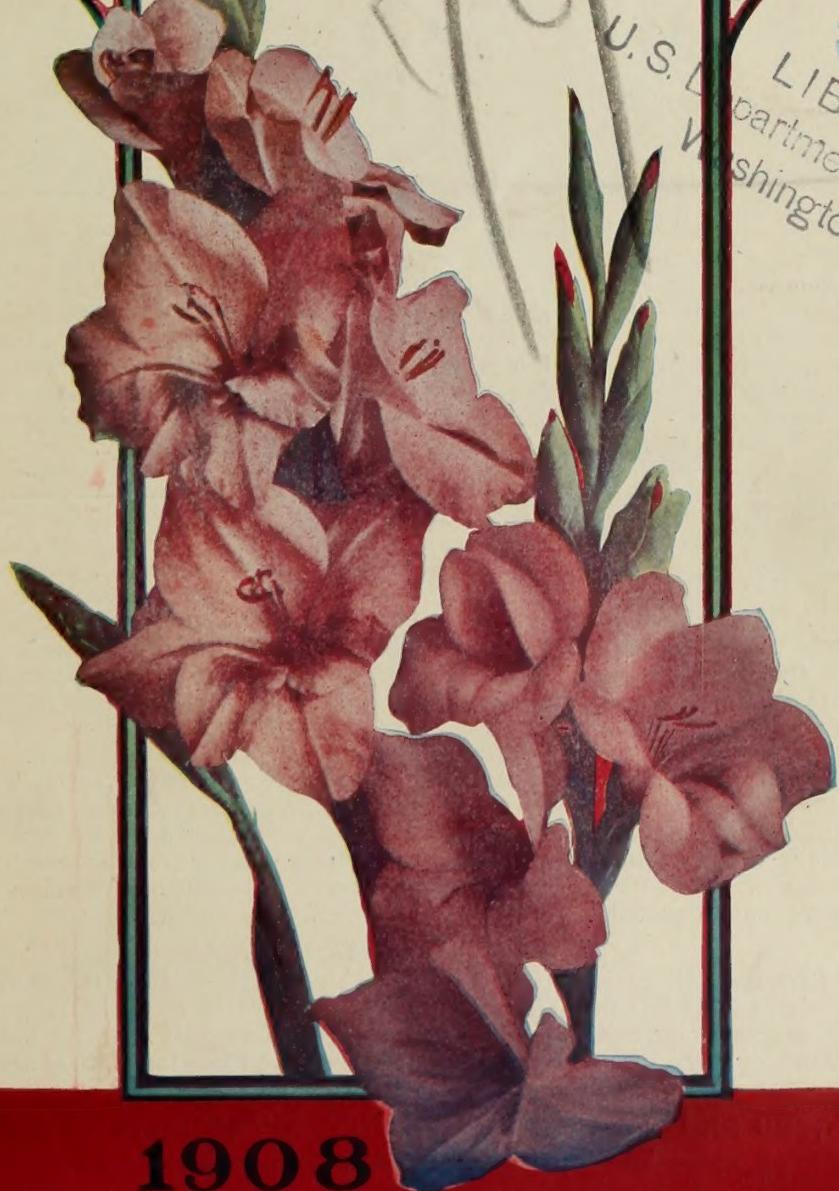
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FARM
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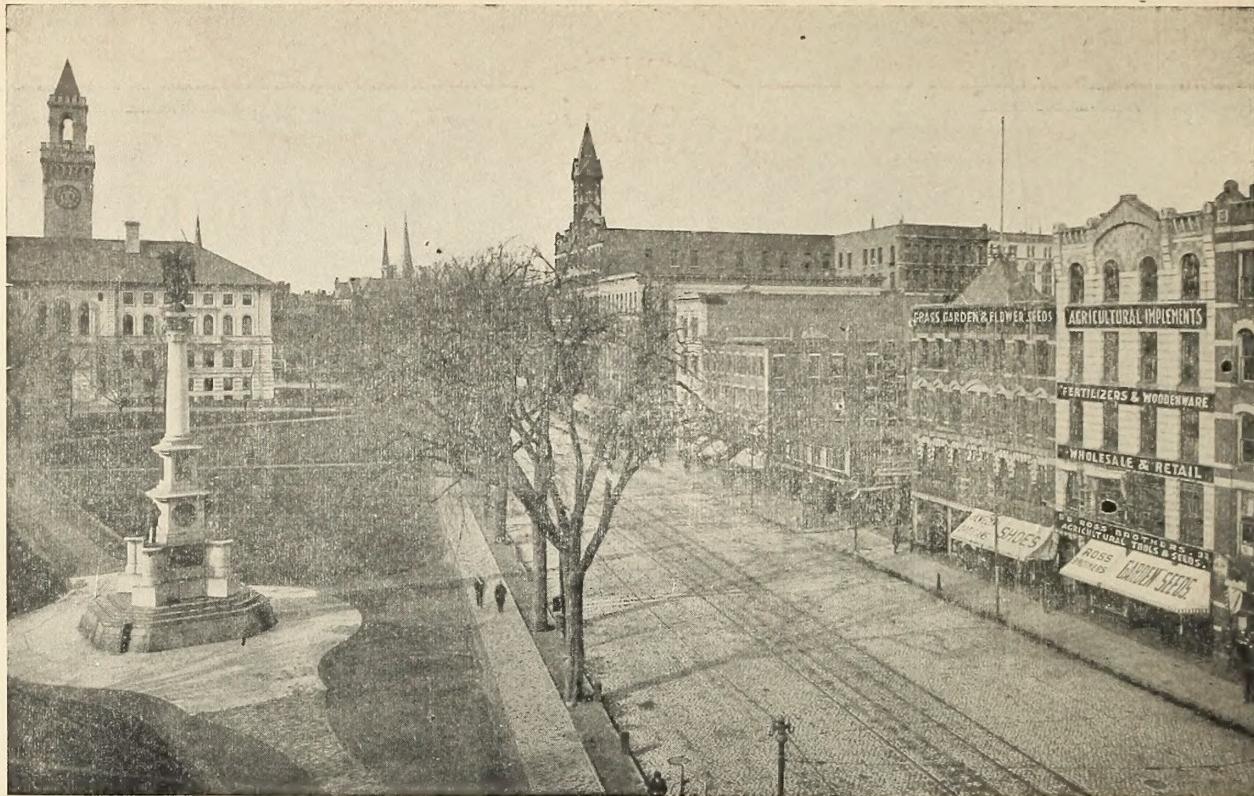
GARDEN
SUPPLIES

FEB 24 1908



FEB 24 1908
U.S. LIBRARY,
Department of Agriculture,
Washington, D. C.

1908



TO OUR CUSTOMERS:—We have been in the seed and implement business for nearly a quarter of a century and from the very first our trade has increased, not by buying out some other firm but by satisfying our customers and holding their trade year after year.

We now occupy eleven floors besides two large store-houses.

Our seeds were planted in thirty-nine states last year which shows the reputation we have made for selling good seed. We not only handle seeds of all kinds, but we can furnish anything from a harvester to a hand weeder in the line of farm supplies. We defy any one to show a better equipped agricultural store east of the Mississippi River.

Thanking each and every one of our customers for their liberal patronage in the past, we are,

Very respectfully,

ROSS BROS. CO.

A FEW THINGS OF IMPORTANCE THAT WE WISH OUR CUSTOMERS TO READ.

PLEASE READ CAREFULLY PAGE 25.

C. O. D. ORDERS. Parties ordering goods to be sent C. O. D. must enclose with the order one-third of the amount, as a guarantee that they will accept the goods upon arrival; and all C. O. D. goods must go by express, as railroad companies will not do any collecting.

EXTRA PARTS. Parties sending us broken castings for patterns on repair orders must prepay express charges, as we cannot afford to pay express on old castings.

MARKET GARDENERS. Parties wanting ten or more dollars worth of bulk Garden seed will do well to write us for market gardeners' prices, for on such orders we can make lower prices than are quoted.

WHAT WE GUARANTEE.

That all seeds sold by us shall be as represented; should they prove otherwise, we will refill the order gratis, but we give no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in

HOW TO ORDER. Give your name, town, state and county, and do not forget the post-office, as that is the most important of all.

TERMS. As there are no means of our ascertaining the financial standing of farmers at a distance, we must have cash with the order or some satisfactory bank reference, but the liberal discount we offer for cash will more than pay the customer for sending the money when they order the goods.

HOW TO SEND MONEY. There are a number of safe ways to send money by mail. Either by an Express or Post Office Money Order, or send check on your bank. We are not particular how it comes, as long as we receive it. Stamps are always acceptable, and very handy to send on small orders. *Wrap them in oiled paper to prevent sticking.*

any way responsible for the crop. No officer, agent or employee of this company is authorized to make any warranty whatsoever. If the purchaser does not accept the goods on these terms, they are at once to be returned and the money paid will be refunded.

ROSS BROS. CO., 90 and 92 FRONT STREET, WORCESTER, MASSACHUSETTS.

Odorless Lawn Fertilizer

FOR LAWNS, PARKS, CEMETERIES, GOLF LINKS, Etc.



The beauty of any lawn depends largely on two things, seed and fertilizer. Of course it goes without saying that no amount of either of these will produce a good lawn without suitable soil, but assuming that you have prepared your lawn with a sufficient amount of loam, you naturally expect good results by using the required amount of seed to produce under ordinary conditions a rich velvety lawn, so much desired by every one; but no one has a right to expect a lawn to stand trampling, cutting and the other abuses to which they are subjected, without some complete fertilizer being applied each season to furnish the necessary plant food. A fertilizer that will produce a good crop of hay would not be adapted for lawns, parks and tennis courts, although many fertilizer manufacturers recommend the same brand for both; but this is a great mistake. A fertilizer to produce a hay crop should have it mature by the first of July, while a lawn fertilizer should be quick acting to give the grass an early start, but it should also contain chemicals that will keep it green until the snow covers it in the fall. Our lawn fertilizer is especially adapted for keeping grass green from early spring through the entire season and is acknowledged to be the standard food for grass and is used on some of the largest lawns, parks, cemeteries and private estates in New England. In mixing this we use principally Fine Ground Bone, Muriate of Potash, Nitrate of Soda, Fine Ground Kiln Dried Sheep Manure, Basic Slag Meal and Tobacco Dust. This latter ingredient is found in no other fertilizer on the market. It rids the lawn of white grubs and other injurious insects, also gives that particular green color to the grass throughout the season that every one desires. A trial will show any one the difference between this and common commercial fertilizer sold by many as a lawn dressing. There is nothing better for new lawns than this fertilizer; stable manure should never be used either for new seeding or for top dressing as it invariably contains a large amount of weed seed which is liable to ruin the best lawn ever made. For convenience we put this up in 25, 50 and 100 pound bags. Prices as follows: 25 pounds 60c., 50 pounds \$1.15 100 pounds \$2.00. Special price in five and ten ton lots.

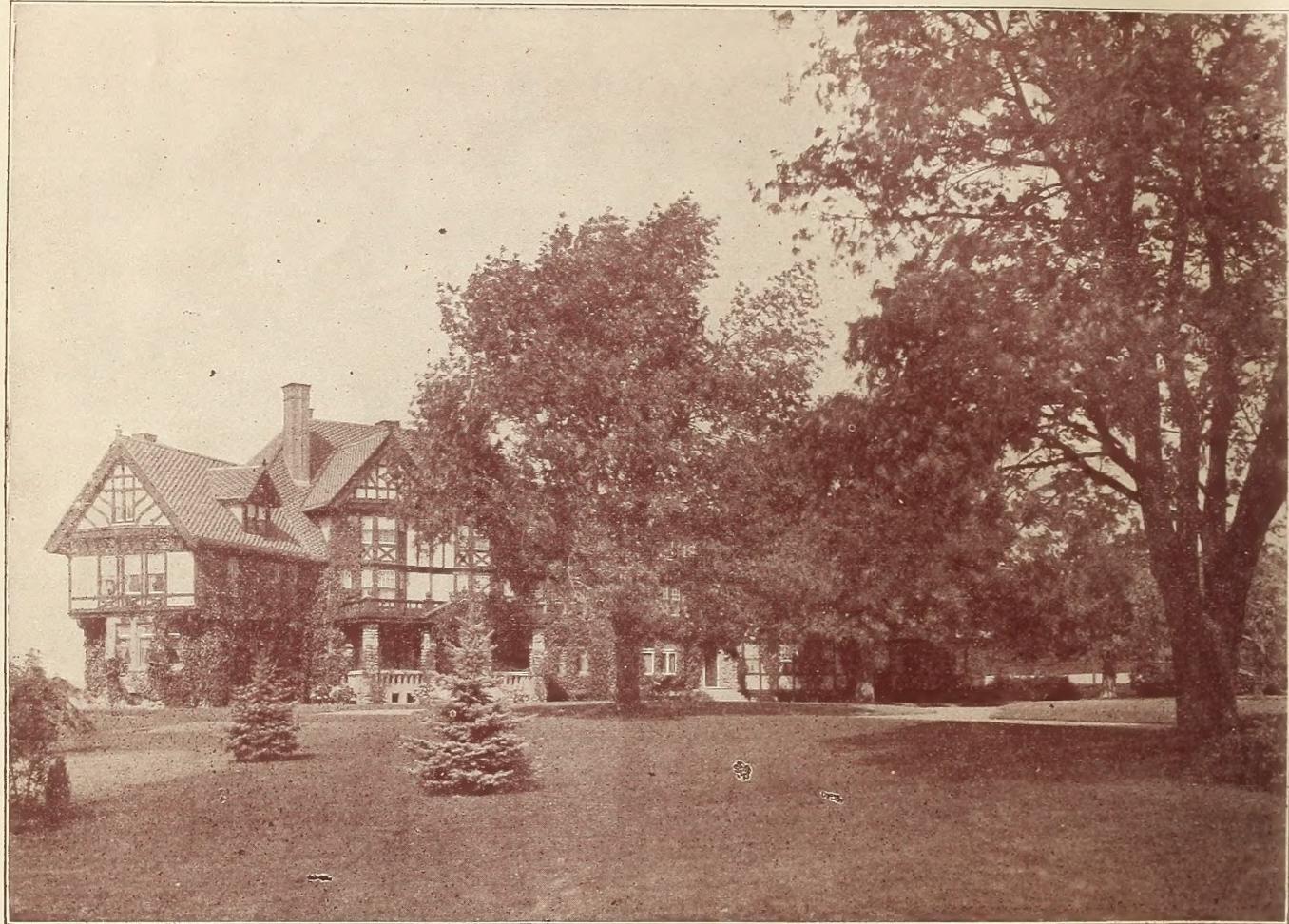
Pulverized Sheep Manure.

This is a pure, natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthy than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effect. Instead of being put up in the natural state as formerly, we have it kiln-dried and then finely pulverized which makes it much more convenient to handle, and it can be kept in any cellar for an indefinite length of time.

DIRECTIONS.—For mixing with soil: Take one part manure to six of soil. For making a liquid: Take one pound manure to five gallons of water. This can be used with safety every day.

Prices. Ton, \$25.00; 100 lbs. \$1.75; 5 lbs. 25c. Special Price by the Car Load.

THE WORCESTER LAWN GRASS SEED



The Worcester Lawn Grass Seed Produces quickly after sowing a luxuriant velvety growth of rich verdure. Eventually a firm durable sward which with proper care, will last indefinitely. No better lawn seed can be obtained elsewhere because there is no better.

Though we offer separately seed of many of the varieties suitable for the lawn we consider as very erroneous the somewhat prevalent idea that any single variety is preferable or equal to a mixture. Many of these varieties though of great value as components have characteristics which render them unsuitable for sowing alone while all are inadequate. Kentucky Blue Grass for instance often recommended to be used alone has decided merits and is of great value as a component, if used in right proportion. It starts early in the spring and has a dense growth of creeping root stalks of spreading habit, which when once established form a close firm turf. The grass is of fine texture and the variety is a true perennial lasting, in congenial soils, indefinitely. All of these features are of great value for the lawn. But not only is this variety inadequate because of two features, one of which is its slow growth, requiring two to three years to form a good turf, the other that it seldom grows, especially in unusually hot dry seasons, much after the first part of July; it has also the fault of turning brown or rusty the latter part of the season, and when sown alone gives the lawn, a patchy appearance. These objections are however very largely overcome when it is used in a mixture if not in too large a proportion. It might too be further said that while it thrives to perfection on the lime stone soils of Kentucky it dislikes extremely an acid soil and when sown alone on such soils the results are anything but satisfactory. All of the other varieties have not perhaps as many features which make them unsuitable for sowing alone but because of the various requirements of a good lawn seed all are inadequate. It is quite desirable that the lawn shall present an attractive appearance as soon as possible after sowing therefore seed must be used of varieties which grow quickly. It is equally desirable that from early to late in the season the lawn shall be covered with a pleasing verdure therefore, varieties must be sown which thrive at different times. These desired results cannot be secured by any one, nor two varieties, only by several or many. The theory that the mixture is preferable is well substantiated by nature. It would be nearly impossible to find a nature formed grass area in which there were but one or two varieties; on the contrary our native pastures usually have from twenty to fifty. Given then that the mixture is necessary, its requirements are as follows: All the varieties should have a fine soft growth that the lawn may have the desired velvety appearance. As many varieties as are suited for the lawn should be used because of their different habit that is the different times in the season, in which they grow so that from early in the spring till the lawn is covered with snow, it shall at all times be of a rich pleasing green. The mixture must also include all of the varieties remarkable for their dense creeping roots, if otherwise suited, not only to resist growth but because such varieties form the close firm sod necessary to a good lawn. Of great importance too are varieties which will bear frequent cutting and constant trampling and perhaps of equal importance that a large proportion of the varieties should be long lived so that when once made the lawn will remain in good condition for many years or indefinitely. It was on these lines that the formula for the Worcester mixture was made and the many beautiful lawns the results of its use prove that our ideas of what constituted a good mixture were correct, its further requirement is that, the seed should be of the highest quality. In the composition of this mixture only the highest grade seed of each variety is used. The seed of each is as free from weed or foreign seeds as the most improved machinery can make it. Being of this quality the seed is heavy and weighs about twenty-five pounds to the bushel considerably heavier than the average mixture offered and much heavier than many. We do not claim that this seed is better than others can or may offer because we have no patent for securing better grass seeds than our competitors but because we know that neither have any of our competitors such a patent, because the world's markets are open to us as well as to them and, because we buy the best, we do claim an equality with the best to be procured anywhere and a superiority to much that is offered. This seed should be sown at the rate of 75 to 80 pounds to the acre. A one pound package would therefore be sufficient for about 500 square feet. 1 lb. package, 25 cts., by mail, 35 cts., $\frac{4}{5}$ lb. package, \$1.00 10 lbs. or over, in bulk 20 cts., per lb.

Shady Spot Lawn Grass Seed



The Shady Spot Lawn Grass Seed

Produces in shaded places a fine velvety growth if soil is properly prepared before sowing.

Bare spots seriously affect the otherwise attractive appearance of many lawns and while for renovating or filling such spots our Worcester or Park mixtures are entirely sufficient, where such spots are caused by the shade of trees, a renovation can be better accomplished by the use of the Shady Spot mixture. This is composed only of varieties which thrive in shade. It includes all known varieties of this class otherwise adapted to the lawn, all of which are of dwarf habit and fine even growth and the mixture will be found equal for the purpose indicated to any offered elsewhere regardless of what claims may be made. To however secure a good growth the soil should be properly prepared before sowing seed. Soil that is naturally moist which has been densely shaded often becomes sour which is indicated by a growth of moss and sometimes by bog grass. In such cases the moss or grass should be removed, the soil thoroughly worked over and an application of lime be given at the rate of one bushel to each thousand feet. If the soil is dry and there has been no growth on it for some time it is usually very hard and it is useless to sow seed without working it deeply and thoroughly pulverizing it. What would be preferable would be to remove some of the soil and put in its place new soil composed as much as possible of rotted turf and thereby furnish humus which soils, on which nothing has grown for sometime, usually lack. While if soil is well prepared the growth will continue for sometime, we do not claim the permanency for this, that we do for the Worcester when used in the open exposure to the sun, as there are no grasses which if cut often, will be as permanent in the shade as others in the open. This is especially true if the shade is very dense. We therefore advise yearly attention and applications of a small quantity of seed if growth is thin. Those who have hitherto been unable to secure a growth under trees because they have not used a special mixture, will find this of great value and will be well repaid for any slight expense and trouble incurred in following our suggestions by the greatly improved appearance of the lawn. Per lb. 35 cts., by mail 45 cts., 10 lbs. or over 30 cts. per lb.

THE PARK LAWN GRASS

There being some demand for a cheaper mixture than the Worcester suitable for large areas, parks, etc., as well as for smaller plots like the back door yard, we offer this mixture. We claim for it an equality with much that is sold and generally at much higher prices than our price for this. While of course not equal to the Worcester it is by no means a poor or worthless mixture. Simply stated, this is *good*; the Worcester *BETTER*. In making this mixture we have as far as possible, that is considering the price, conformed to the ideas previously expressed as to what grasses should enter into a mixture for the lawn. Although opposed to the term quart and bushel because they are indefinite when applied to grass seeds prove by the fact that all dealers have to determine the bushel by weight, we feel, however, to meet competition, compelled to conform to the custom to some extent, and so offer this mixture by the quart, etc. Sow from $3\frac{1}{2}$ to 4 bushels per acre. A quart package is sufficient for about 300 square feet. 1 qt. pkg. 15 cts. 4 qt pkg. 50 cts., bushel of 20 lbs. \$2.50.

The EUREKA ENSILAGE CORN

Grows the Tallest and is the Most Leafy

WILL PRODUCE MORE GOOD MATERIAL FOR THE SILO THAN ANY OTHER VARIETY.



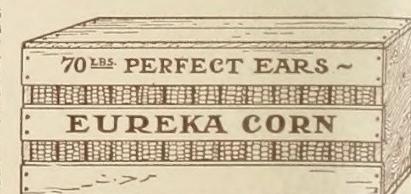
From a photograph of a field of Eureka grown on the grounds of the Worcester Insane Hospital.

The Eureka was originated in Virginia and is the result of continued selection for many years of seed from the largest plants and those bearing the most leaves. Much more attention is, or was at least at that time, given there to growing leafy strains of corn, than in the North, as the leaves only were used (to a large extent in place of hay) and in fact were the only dry fodder that most farmers in that section had, as grass was then but little growing there. We made the claim at its introduction and have continued to make it yearly since, that the Eureka was not only the largest or tallest growing variety but the most productive of leaves and would therefore furnish more good material for the silo than any other.

It has now been grown in nearly all sections where ensilage corn is used, from the Atlantic to the Pacific coast and, notwithstanding the reports of some experiment stations that it does not mature ears sufficiently to make as rich ensilage as some of the smaller varieties, our sales have, from very small ones for a few years after its introduction, increased since rapidly, until the past season they considerably exceeded in number of bushels those of the Leaming, previously much the most popular variety for ensilage.

Simply an increase in sales yearly would nothowever necessarily prove that the Eureka was especially satisfactory to our customers for this might have been the result of extensive advertising each year; but that which is proof of its popularity is that up to this time a very considerable portion of the increase has been because of larger orders from those who had planted the Eureka for one or more years, while many of the new orders have been received from those who stated in their letters that they were ordering because of the favorable impression received in observations of the Eureka while growing in the fields of their neighbors. Wherever the Eureka is well known there our sales are large. Seed of the Eureka has always been of the highest grade, uniform in character and of especially satisfactory germination. Good things are often proved to be such by the offering of a different and inferior article at a lower price under the same name. This is true of the Eureka. We know of no source from which we would dare to purchase seed other than the originator who has furnished us all we have sold since its introduction. He grows seed for no one else. Buy the genuine of us or of reputable dealers handling our seeds. The shelled corn is packed in one and two bushel bags always plainly marked Ross Bros. Co. The ears in crate or box of 70 pounds (one bushel).

The Eureka has, for many years, been a favorite variety with Mr. Reynolds, farm superintendent of the Worcester Insane Hospital. While the yield has always been good with him, he has at times had exceptionally large crops. The above illustration with Mr. Reynolds in the foreground shows the height the Eureka reached in this field and fairly represents the general crop.



Price, shelled, peck 60c., bushel, \$2.00; three bushels, \$5.00; bags included. Crates of 70 lbs., on ear, \$2.50. Not less than a crate shipped on ear.

Novelties and Specialties IN VEGETABLE SEEDS.

Three Varieties of Vegetables of Real Merit

The three varieties on this page which are also shown in colors on back cover are worthy of the attention of everyone who has a garden. We believe each is the best of its kind and of great value both for the home garden and for marketing.

Crosby's Egyptian Beet • Extra Selected Strain

This variety has been for many years the most popular early beet for market and deservedly as it surpasses in combination of earliness, good shape, attractive foliage and fine dark color, all other early varieties. Starting several years ago with seed which we procured from a local market gardener, who had for years the reputation of bringing into this market the finest early beets, we have since given this variety special attention and have in this time grown and selected our own roots from which to grow seed. The most careful attention has been given in making selection to the different features which make the perfect type of this variety, viz., shape identical with that of the original introduction which perhaps is best described as midway between the flat Early Egyptian and the thick types of the Turnip Blood varieties like the Dewing's; rich dark color in which no other variety compares except the Detroit Dark Red and dark colored foliage of somewhat slender growth. The variety is by far the most difficult to keep true or improve and while it may never be possible to entirely eliminate the tendency to sport, our crops have continually shown this strain to be more nearly free from the light colored roots and some with coarse light colored leaves peculiar to the variety, than any we have in the past tested. Not only is this variety the best for early market but it is now used by some market gardeners for their last or main planting as it has all the requisites for a winter beet and can be planted considerably later than the standard varieties. We are confident this strain will be found fully equal to any offered by any seedsman or to any private stock of gardeners. Postpaid, Pkt. 5 cents, oz. 12 cents, $\frac{1}{4}$ lb. 30 cents, lb. \$1.10 By express lb. \$1.00, 5 lbs. or over 90 cents per lb.

New Early Sweet Corn "Golden Bantam"

The sweetest variety ever offered, surpassing in Sweetness, Rich Flavor and Tenderness the well known Black Mexican hitherto noted for these Qualities.

Trial of this variety has not only proved that it surpasses all others in qualities above mentioned but that it also is very early and remarkably hardy. When dry, the kernel, though entirely free from any flinty glaze, is very hard, the seed therefore can safely be planted earlier than any other sweet corn. The stalks though of vigorous growth are of dwarf habit growing about four feet high, and are very prolific, often bearing three ears. The ears are five to six inches long, eight rowed, and well filled to the tip, with large kernels. A remarkable feature of the Golden Bantam is that, while all other varieties must be picked, when in condition for the table almost to a day, ears of this may be left on the stalk, a week or even more, after it is ripe or of the proper size and condition for cooking without, to any extent, losing either its sweetness or tenderness. In fact the last picking of half sized ears, when even appearing to have reached the stage of glazing averages better in quality than many varieties when in prime condition. Above any variety it should be popular for the home garden, and there is no sufficient reason why it should not be popular for the market except the unreasonable prejudice of many against any sweet corn that is not white. Stock limited. Postpaid, selected ears 12 cts., $\frac{1}{4}$ pt. 15 cts., pt. 25 cts., qt. 45 cts. By express, ears 10 cts., 3 for 25 cts., $\frac{1}{2}$ pt. 12 cts., pt. 20 cts., qt. 35 cts., 2 qts. 60 cts., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

The Davis Perfect Cucumber

ATTRACTIVE IN SHAPE

FINE COLOR SUPERIOR QUALITY

VERY PRODUCTIVE

This new variety was originated by Mr. Davis a market gardener, who also was the originator of the popular Davis Wax Bean. As will be seen by what follows his chief aim in experimenting was to get for his own use something better than he had or was able to procure. We understand that he did not at first intend to sell any seed thinking there would be more profit in growing cucumbers for market, as he was enabled to get better prices for his product than his competitors.

A seedsman in his locality however recognizing its merit induced him to grow seed and it was offered to the trade with the following claims. We think it is safe to assume that Mr. Davis' intention to keep control of the variety shows that it was of considerable value to him and a fair supposition that it will be found of value to others, Mr. Davis' claims are as follows.

"For several years I have been experimenting and trying to get a better strain of cucumber for forcing under glass as well as a good cucumber for growing out of doors, and after repeated failures I have at last succeeded in fixing a perfect type, combining quality, shape, color and productiveness. Am very sorry we did not get a picture of the crop. Everyone who saw the crop this year says they never saw anything to equal it. In color, a dark glossy green; shape, slim and symmetrical, with an average length of ten to twelve inches. They never grow pussy and hold their color until nearly ripe when they turn white without a sign of yellow streak on them. The quality is fine as the seeds are very soft when the cucumber is fit for table use, is very tender and brittle and of exceptionally good flavor.



Another strong point of merit is its splendid shipping qualities. It seems to hold its color and brittleness long after being cut.

On account of its being such a strong grower it is able to resist the cucumber disease which works destruction among so many of the best forcing varieties.

It is as early as the earliest strain of White Spine and it out-yields by far anything I have ever tried. This New Cucumber certainly has the fitting qualities to make it very popular when known. I might add that it is no experiment with me as I have been growing the cucumber for profit for the last two years and it has proved all I claim for it." Postpaid, Pkt. 10 cts., oz. 20 cts., 2 oz. 35 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.60. By express lb. \$1.50.

A New Strain of Horticultural Pole Bean

EXCELS IN EARLINESS, QUALITY, HANDSOME APPEARANCE AND PRODUCTIVENESS



**GOLDEN CARMINE
POLE BEAN**

This new bean, a strain of the well known Worcester Mammoth, equals the latter in size of both beans and pod, is from a week to ten days earlier and is fully as productive. When ready for use or market as shell beans, the pods are of golden yellow with splashes of vivid carmine giving them a strikingly handsome appearance. The large beans closely resemble the other Horticultural varieties and are equal in quality to any. It is also desirable as a string or snap bean because the large pods being at the proper stage of growth, brittle, tender and stringless, of a beautiful waxy yellow and the yield greatly exceeds that of the dwarf wax sorts.

Postpaid $\frac{1}{2}$ pt. 14 cts., pt. 28 cts., qt. 50 cts. By express or freight or at counter $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., 2 qt. 60 cts., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

A Rust Proof Wax Bean

“Keeney’s Rustless Golden Wax”

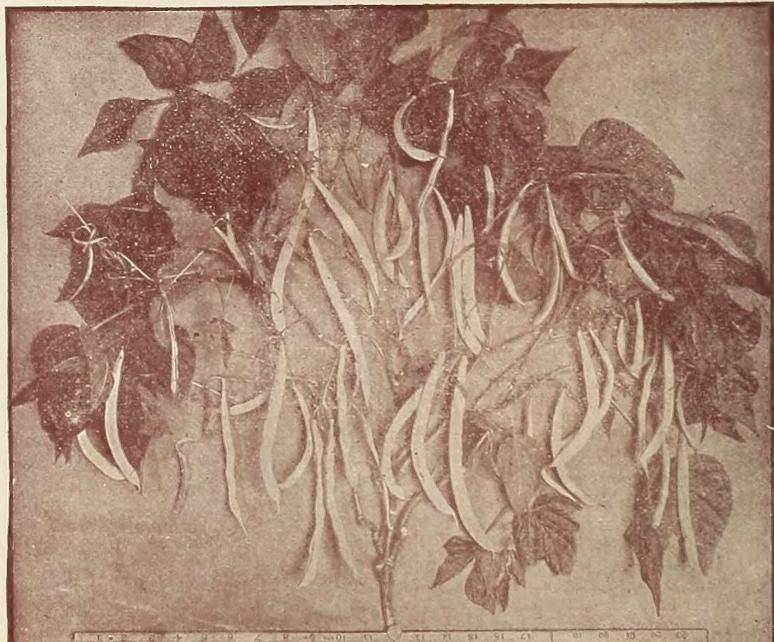
When this bean was first offered by the originator we tried it and was somewhat disappointed in it because of one feature, that of its habit of throwing out tendrils like a pole bean. There however being a demand for it and being urged by one of our growers to list it because of its freedom from rust we now offer it. Though the running tendency is an objection the tendrils are short, soon become self supporting and add to its productiveness, while its other desirable features, more than balance the objectionable one. The vine is very productive the pods are wax like, straight, handsome and entirely stringless and the variety combines to a greater degree than other so called rust proof varieties, a blight resisting character with excellent quality. The past unfavorable seasons have led many both those who plant for their own use and those who market their produce to make at least a part of their planting of some variety noted for its freedom from rust, if not of quite as good quality as some of the more tender varieties. Such will do well to try this, which as we have said combines to a considerable extent both hardiness and quality. Postpaid $\frac{1}{2}$ pt. 14 cts., pt. 23 cts., qt. 40 cts. By express or freight or at counter. $\frac{1}{2}$ pt. 10 cts., pt. 15 cts., qt. 25 cts., 2 qts. 45 cts., $\frac{1}{2}$ pk. 80 cts., pk. \$1.50, bushel \$5.50.

THE HODSON WAX BEAN

A NEW AND ENTIRELY

DISTINCT VARIETY

Two year's trial of this new wax bean proves it to be the most vigorous in growth of vine and foliage of all the dwarf wax podded sorts while in yield of large handsome pods, it is surpassed by none. Owing to the very dense foliage which entirely protects the pods they are of an unusually clear creamy white not equaled in this respect by any other varieties except some which have proved so tender and susceptible to blight as to make them worthless. The pods are also of good shape, longer than the average, flat, but thick and meaty, stringless and of average quality. Were it not that its season of maturing is rather late it would be an ideal variety for the market, as it is, its great vigor of vine, freedom from rust and consequent certainty of a crop combined with its especially attractive large pod will doubtless prove to be features which will lead to its cultivation for market to some extent while for the home garden planted in connection with some earlier variety like the preceding it will without doubt be found a very valuable acquisition. Postpaid $\frac{1}{2}$ pt. 14 cts., pt. 26 cts., qt. 45 cts. By express or freight or at counter, $\frac{1}{2}$ pt. 10 cts., pt. 18 cts., qt. 30 cts., 2 qts. 50 cts., $\frac{1}{2}$ pk. 10 cts., pk. \$1.65, bushel \$6.00.



HODSON WAX

CHILOE OR SUGAR SQUASH

A new and Distinct Variety from Mr. Luther Burbank, the famous Collector and Hybridizer.

**Extremely Heavy.
As Sweet as Sugar.
Very Productive.
Remarkable Keeper.**

Following is Mr. Burbank's description of this new squash.

"From my Chilean collector I received seeds of a number of new Indian squashes. Among them was one which was stated to be as "Sweet as sugar." Several seasons have been required to thoroughly fix the type. Though of medium size this new squash averages 30 pounds each, resembling a cannon ball in specific gravity; the seed is packed solidly in a little space, all the rest of the squash being solid, sweet, dark orange-colored flesh which is *three to four inches thick*. The Chiloe is apple-shaped with a broad protuberance at the blossom end packed solid with the large, heavy reddish-brown seeds. The color is somewhat like the watermelon, green, white and yellowish intermixed in mottling, spots and stripes. The fruits are produced in great abundance and keep in good condition till May and even June of the following season."

The reliable source from which it comes and the practical guarantee as found in Mr. Burbank's description of several good features entitle this squash to a trial by all who grow this vegetable. Pkt. 10c., oz. 25c., $\frac{1}{2}$ lb. 90c., lb. \$3.00.

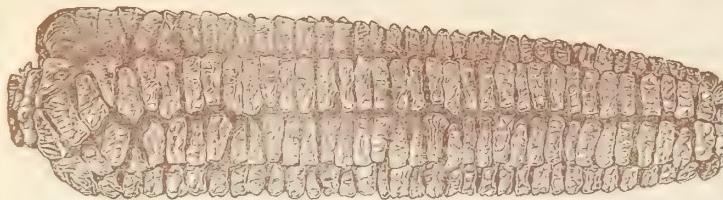


THE VOLGA CABBAGE

Though this new variety will probably never be as popular for market as the Danish Ballhead it nevertheless is much superior in quality, and has other features which make it a valuable acquisition. First it can be planted much later in the season than the Danish Ballhead and some later than any of the standard winter sorts, except the All Seasons. It is superior to that excellent variety in one feature at least in that it almost never cracks. It is also very uniform in heading, seldom varies from type and is exceptionally hardy as might reasonably be expected as it originated in Russia. Another desirable feature is that the stem does not run up into the head nearly as far as in all other types. Its quality makes it one of the best for home use, while its other features make it a desirable variety for market especially that of quick maturing, as it can often be grown as a second crop when the Danish Ballhead and other varieties could not.

Postpaid Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., 2 oz. 40 cts., $\frac{1}{2}$ lb. 70 cts., lb. \$2.60. By express or at counter lb. \$2.50.

EXTRA EARLY RED CORY CORN "THE ORIGINATOR'S STRAIN."



Sutton's Excelsior Pea

A New Dwarf Pea superior to all Dwarf Varieties and comparing favorably with the Taller Varieties

Another year's trial proves that not only is this a very excellent pea but also that it is notably superior to any other dwarf variety. And in comparison with the taller growing varieties like the Gradus and Thos. Laxton it does not suffer. As high as is our opinion of these varieties we are not sure that were we limited to one variety for both early and late planting but it would be The Sutton's Excelsior. Excellent as is the Nott's Excelsior the Sutton's Excelsior is as much superior as the former is to all other dwarf sorts. In only one feature does it excel this, that is its darker pod. The pods of this however are darker than the Gradus so its color when urged as an objection is hardly worth considering. In habit the vine somewhat resembles the Nott's Excelsior but grows a little taller, even more vigorous and more productive. The pods are larger both longer and broader and remarkably well filled with large peas, fully equal in quality to Nott's Excelsior. The variety is destined to be one of the most popular for both the home garden and marketing.

Postpaid $\frac{1}{2}$ pt. 16c., pt. 28c., qt. 50c. By express or freight or at counter, $\frac{1}{2}$ pt. 12c., pt. 20c., qt. 35c., 2 qt. 60c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.65, bush. \$6.00.

NEW RADISH CRIMSON GIANT FORCING

ence of five to six inches and weighs from $1\frac{1}{2}$ to 2 ounces. Color a beautiful crimson carmine. The roots vary somewhat in shape, some being round while others incline to oval. Pkt. 5c., oz. 10c., 2 oz. 15c. $\frac{1}{4}$ lb. 25c., lb. 88c. postpaid; by express lb. 80c.

While nearly identical with the strain of Early Red Cory which we have offered for several years, we have found this several days earlier, a feature well worth considering in that a few days often make a great difference in the price. The seed we offer was grown by the originator of the Cory. Whether its earliness is due to the location in which it was grown or to a continual careful selection by this grower we are unable now to say, the fact however remains that it is earlier than the strains generally offered.

Postpaid, $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 45c. By express or freight or at counter, $\frac{1}{2}$ pt. 12c., pt. 20c., qt. 35c., 2 qts. 60c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.65, bush. \$6.00.

Admiral Dewey Pea

The Longest Podded Pea in Cultivation

Very Productive—Attractive Pod—of Best Quality

When this variety was introduced by a firm who have for a long time been among the most prominent growers of peas for seed, it was with the claims that it was the largest podded, and the most productive and surpassed in quality by none, of the other large podded peas. All of these claims have been substantiated in the past few years but for some reason unknown to us it is not generally offered. Last year through oversight we failed to include it in our list. Notwithstanding we sold nearly as large a quantity as usual, necessarily of course to those who had tried it. It is a distinct variety growing about $3\frac{1}{2}$ feet high, remarkably healthy, vigorous and productive and almost entirely free from sports, greatly surpassing in this respect all others of the large podded late sorts. The pods are of the largest size often 6 inches long, of rich dark color and filled from end to end with large peas of finest flavor.

Postpaid $\frac{1}{2}$ pt. 14c., pt. 26c., qt. 45c.. By express, freight or at counter, $\frac{1}{2}$ pt. 10c., pt. 18c., qt. 30c., 2 qt. 55c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75, bush. \$6.50.

This new Radish, combining both earliness and great size, while well suited for forcing, is equally adapted for out-door cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass nor out doors, even when twice as large and a week older. When full grown it has a circumference of five to six inches and weighs from $1\frac{1}{2}$ to 2 ounces. Color a beautiful crimson carmine. The roots vary somewhat in shape, some being round while others incline to oval. Pkt. 5c., oz. 10c., 2 oz. 15c. $\frac{1}{4}$ lb. 25c., lb. 88c. postpaid; by express lb. 80c.

New Lettuce

May King

A Novelty from Germany

This new lettuce originating in Germany and introduced three years ago has become very popular. It is extremely hardy and of rapid growth even in unfavorable weather and therefore very desirable for first out door planting. It also forces remarkably well and on account of the outer leaves being very closely folded it is practically all head and plants can be set closer than other varieties. The heads are globular and very solid. The outer leaves are light green, with delicate ribs and lightly waved; the interior clear yellow. The quality is excellent.

Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Crisp-as-Ice Lettuce

This is not a new variety, but is one which cannot be too highly recommended. Of all the mid-summer cabbage varieties which we have eaten, this surpasses all in fine, delicate flavor, crispness and tenderness. The heads are solid, very large when well grown, and so brittle and tender that it well deserves the name, "Crisp as Ice." The leaves are thick, glossy, crimped and curled, outside they are variegated, dark bronze and green, while the heads when cut open show a rich creamy-yellow heart. Its extreme brittleness and color both prevent it being a popular market variety, but for the home garden it has no equal.

Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.



MAY KING LETTUCE



The Delicious Squash

This new squash the product of years of careful selection and crossing, in form ranges between the two specimens shown in illustration. In color it is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as the original Hubbard. In size it also closely follows the Hubbard when introduced which weighed between five and ten pounds. The flesh is dark orange and but few varieties if any, surpass it in thickness and none in its combination of fineness of grain, dryness, sweetness and rich flavor. It is a fall and winter squash excellent at all seasons, but like the old Hubbard does not acquire its best quality until winter.
Pkt. 5c., oz. 12c., 2 oz. 20c., $\frac{1}{2}$ lb. 35c., lb. \$1.23 postpaid; By express lb. \$1.15

New Tomato LIVINGSTON'S GLOBE

This new variety originated with the Livingstons, of Tomato fame, who say of it:

"In shape it is notably distinct from all others, being a beautiful globe, with quite a goodly percentage of elongated (stem to blossom) fruits. This peculiarity permits of a greater number of slices to be taken than is possible with flat varieties. It is among the first to ripen; fruit of large size, and a good marketable size is maintained throughout the season; always smooth, firm fleshed, and has very few seeds, especially in the early fruits; ripens evenly; a fine glossy rose in color, tinged with purple; very productive, the plant is always loaded with fruit, as it has joints at frequent intervals and each joint produces large clusters of from 3 to 7 fruits. A remarkably good keeper; especially adapted to slicing or eating from the hand as the flavor is very delicate and agreeable."

Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., 2 oz. 70c., $\frac{1}{2}$ lb. \$1.25



LIVINGSTON'S GLOBE.

Two New Extra Early Tomatoes

"June Pink" "Earliest Pink"

When offering these varieties last season we called attention to the fact that they were introduced by two competing firms of the same city saying also that both firms were reliable and both had had a long experience with tomatoes but as both were liable to be prejudiced in favor of their own we advised a comparative trial of each. We are not able to learn that there is a great difference between them, further trial however may show to us as it may to others that there is a choice.

The June Pink was introduced by the firm who introduced the well known Earliana and who said of this that it equals the latter in production, the fruit is as large, equal in quality, not liable to crack and of the desired pink preferred in most markets to red varieties. The introducers of Earliest Pink say in substance this of it, "The Earliest Pink produces in great abundance fine fruits of bright pink in color and exceptionally solid, having a broad, meaty heart, entirely free from core and having very small seed spaces. The flavor is very sweet and fine. The fruits are set in large clusters and are from $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter, smooth and exceptionally free from cracks or blemishes." Referring to their trial of June Pink they say: "We were much pleased with this new and distinct tomato and should urge all our customers to try it,—did we not have in Earliest Pink a still better tomato equally as early."

Each variety Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c.

TOMATO CHALK'S EARLY JEWEL

Though from a week to ten days later than Earliana its larger size has made it preferable to some. The introducers claim that it is "the largest, smoothest and finest flavored extra early bright red Tomato." It is undoubtedly a desirable acquisition and destined to become a standard variety. The fruits are borne in good-sized clusters, are uniform in size and shape, deep from stem to blossom end and very attractive. They do not crack easily nor are they as subject to rot as those of many varieties. The plant is of healthy, vigorous growth and productive. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 45c., $\frac{1}{2}$ lb. 75c.

NOVELTIES IN FLOWER SEEDS

Vick's Violet King Aster

A new and
Distinct Variety

THE PEER OF THE GRANDEST CHRYSANTHEMUM.

This new aster is of American origin and proved very satisfactory to those who planted it last season. Following is the description of the originators.

"The habit of this newcomer is similar to the popular Vick's Branching, vigorous in growth, long stiff stems, generously furnished with luxuriant foliage of the richest green. In form, the flower is entirely new and distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being fantastically twisted, curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large, many of the flowers measuring from four to five inches. Its color is a soft violet-lilac. Florists and growers who have seen this variety pronounce it a valuable addition to the Aster family."

Seed from the originators. Pkt. 15c.

Australian Star Flower Cephaelipterum Drummondii.

A new half hardy annual from Australia easily grown from seed. The flowers are of a pleasing pale crimson sometimes nearly white, fragrant and are borne freely in graceful clusters. They are said to surpass all other flowers in keeping qualities even other everlasting flowers, retaining their form and color permanently when dried. The seed we offer is from Mr. Burbank who claims to have greatly improved it since he first obtained it. Height 1 foot. Culture same as for Petunia. Pkt. 15c.



NICOTIANA SANDERÆ.

Photo reproduction of plant showing its bushy habit and great production of flowers.



NICOTIANA SANDERÆ. Individual Flower.

New Hardy Annual

Nicotiana Sanderae.

OR CARMINE TUBEROSE-FLOWERED TOBACCO.

Two year's trial of this has proved it to be all that the introducers claimed and a great acquisition to our list of annual bedding plants. With the exception of the Salvia we know of no other plant which can be grown from seed and blooming the first season which approaches it in free blooming habit, adaptability to all soils and situations and strikingly effective appearance either singly or in groups. It is more easily grown from seed than the Salvia and blooms fully as early, as freely and continuously. We are in entire accord with what the introducers said at its introduction and quote in part as follows:

"It is the hardy annual of the century. The whole plant is laden with flowers from base to summit—literally ablaze with most handsome carmine-red blossoms, thousands of which are produced on a single plant. Its combined hardiness and character of producing flowers continuously in all kinds of soil and situations under all circumstances are undeniable recommendations; and we certainly know of no plant that produces such an abundance of blossoms for the little care that is necessary to bestow on it. Such an intensely glowing rosy-carmine is unknown in any plant of similar character; and either in flower beds, shrubbery borders, or in the wild garden—in fact, in any position among annuals of any color or kind of foliage, whether in the background or in the open, this incomparably beautiful plant is charming. There is no plant that is easier to grow. The care given to the most ordinary annual will suit the new Nicotiana admirably, and for a minimum of care a maximum wealth of its Calanthe-like blossoms can be had in the garden all the summer and autumn. It is a plant for the million, and is undoubtedly destined for universal use."

Though in the description by the introducers it is said to grow about 2 feet high, with us it grew much taller, 3 to 3½ feet. It is of bushy, branching habit and plants should not stand nearer than 2 feet apart if fine individual specimens are desired. Seed may be sown early indoors and transplanted in May or it may be sown outside as soon as ground becomes warm.

The seed we offer was grown in California by Luther Burbank. Pkt. 10c.

New Hybrids of Nicotiana Sanderae.

We are pleased to be able to offer seed of these New Hybrids, also grown by Mr. Burbank, comprising many new colors including white, pink, purple, violet, salmon and shades of red. Pkt. 10c.



COLOSSAL DAHLIA.

The Shasta Daisy.

An extremely hardy perennial, blooming better and more freely each season. When once established it will bloom for several months, in California nearly all the year. It can be rapidly multiplied by simple division and is not at all particular as to soil. The flowers of the original introduction are of a pure glistening white, very graceful, averaging over three and one-half inches across and are borne on stiff wiry stems nearly two feet in length, and will remain in good condition for many days after being cut making them ideal flowers for cutting. Since the introduction, some five years ago, of the original Shasta Daisy, Mr. Burbank has originated and offered other varieties differing somewhat in color and considerably larger. Of these Mr. Burbank has said that they were "as great an advance over the original Shasta as that was over all the Moon-penny Daisies then known." While we note that Mr. Burbank says in his circular offering seed "The Shasta Daisy varies from seed and should be raised by division from named plants, but as many wish to experiment to obtain a new variety I offer seeds of the best," we do not consider this an objection to planting seed as with plants of this nature especially with seeds from the best that have yet been produced one has always the hope of securing something new and perhaps better. The seed we offer is Mr. Burbank's own 1906 selection from named extra varieties. Pkt. 15c.

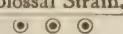
Petunia HOWARD'S NEW STAR.

A beautiful single Petunia. The flower is about 2½ inches in diameter, the ground color maroon crimson distinctly marked with a star of white or very light pink. Over eighty per cent. of the plants from seed will produce the star markings. Others with veined and feathery markings on dark or light ground are not less surprisingly beautiful. The plant is of free branching growth, attaining a height of 18 inches and is remarkably prolific in bloom from early until late in the season. ¼ oz. 25c., Pkt. 10c.

Antirrhinum Nanum Pink and Terra Cotta Shades

A new class of art shades, consisting of pink, coral pink, salmon, and terra cotta shades. They are said to be very showy and distinct and a desirable acquisition to the popular Snap dragon family. Pkt. 10c.

New Single Dahlias Colossal Strain.



It is hardly yet generally known that the single Dahlia will bloom profusely the first season from seed, but it is nevertheless a fact that in ordinary seasons as fine flowers can be obtained from seed if sown early as from tubers, obviating the often difficult matter of keeping the latter through the winter. This new strain of Single Dahlias introduced this season by an English firm is claimed by them to be of enormous size, the flowers being from 8 to 9 inches in diameter and having petals very wide and perfect. Colors various. We believe the strain is worthy a trial by all admirers of this class of Dahlias. Pkt. 15c.

Ever-Blooming Annual Hollyhock.

Blooms in Three Months from Seed.



In this strain of Hollyhock the tiresome waiting until the second season for flowers and the liability of the young plants to winter-kill, objections which have debarred many admirers of this flower from attempting to grow it, are overcome. Plants from seed of this new type sown early inside and transplanted in May commence blooming in July, and plants from seed sown in open ground in May bloom in August, and in both cases bloom profusely until frost. Both the forms and colors of the flowers are strikingly diverse and pleasing. The seed we offer comprises single, semi-double and double flowers. The plants are not more liable to winter-kill than those of the common strain and will bloom as profusely the second year as the first. They are of vigorous growth and branching habit which may be augmented by pinching the main stem, in fact this should be done as otherwise it will grow very tall and there will not be as much material for the production of bloom as were the side shoots made to start. Being of such vigorous growth and blooming so profusely the plants need deep, well enriched soil and good culture to sustain them. Pkt. 10c.

Eschscholtzia Erecta Compacta "Mandarin."

A charming variety of an entirely new habit in Eschscholtzias. The plants are upright and compact, free from the objectionable straggling habit of the old varieties and much deeper in color than the original "Mandarin". Rich, deep orange, shaded crimson, very showy. Pkt. 10c.

Eschscholtzia Erecta Compacta "Intus Rosea."

A new variety of the Erecta Compacta type of which the originators say "After many years of close selection we have succeeded in fixing this new and charming variety. In color it surpasses anything yet introduced in Eschscholtzias, a beautiful Rose color, the petals both inside and out being of one color never before found in Eschscholtzias. The plants are also of a compact upright habit after the style of the well known varieties Mandarin Erecta Compacta and Rose Queen Erecta Compacta." Pkt. 10c.

Double Dwarf Erfurt Clove Pink.

(*Dianthus plumarius nanus* fl. pl.)

This new strain of hardy perennial garden Pink is a great improvement on the old Clove Pink, flowering fully two weeks earlier, is of dwarf habit, not over 12 inches high and of much more compact form. It possesses the same spicy fragrance of the old and has a much richer variety of coloring. The Clove Pink should be in every collection of perennials, in fact in every flower garden if possible. Pkt. 15c.

MARIGOLD

Dwarf French Striped "Grandiflora."

The introducers say of this "We can confidently recommend this as a vast improvement in the dwarf French class, the flowers are as large as in the finest Scotch tall striped, in fact almost as large as the African, but with the dwarf compact free flowering habit of the dwarf French, only 1 foot to 15 inches in height with beautifully striped well-formed Exhibition flowers." Pkt. 10c.

New Giant AFRICAN MARIGOLD "Lemon-Ball."

This is the largest of all Marigolds and is said by Mr. Burbank, of whom we procured seed, to be the finest of all. In form, the flower is nearly ball-shaped. The color is a pure lemon or canary-yellow. Its immense size and perfect form make the flower resemble a double yellow Dahlia. Selected specimens will measure four inches in diameter. The plant is of the usual erect and branching habit of the African Marigold with fine dark green foliage. All admirers of the Marigold should include this in their orders. Pkt. 10c.



Dwarf Shirley Poppy, Snow White.

"Wind Poppy" Meconopsis Californica.

grown from seed. Color of flowers an unusual "burnt orange." 2 feet. Seed from Mr. Burbank's selected strain. Pkt. 15c.

New Dianthus, Superbissimus.

A new strain of Dianthus Pink from England. The originators say of it. "A lovely new strain of Dianthus. Flowers very large, of various colors, with crested surface to petals and white throated, giving the flowers a very striking and charming appearance. The finest and largest flowered strain of Dianthus by far for cut bloom." Pkt. 10c.

DIANTHUS SUPERBISSIMUS, "Queen Alexandra."

This is from the same firm as the preceding. They say of it "A very fine pure white variety. The purest and largest flowered white Dianthus yet offered. The flowers are similar to Superbissimus, having the same crested surface to petals. This should prove one of the handsomest and finest market flowers for cut bloom." Pkt. 10c.

"PURITY" A New Double Dianthus.

This is also from the same source as the preceding varieties and is described as follows: "A large-flowered, double pure white variety, clove scented. A special selection of our own, made in our own trial grounds, and which we have greatly improved during the last three or four years. It has been selected for purity and size of bloom and good habit. Very suitable for pots and cut bloom." Pkt. 10c.



Marigold, Dwarf French, Striped "Grandiflora."

SHIRLEY POPPY "Santa Rosa" Strain.

This strain of the very popular Shirley Poppy is said by Mr. Burbank from whom we procured seed to have been "produced by years of rigid selection and acknowledged to be the best and most varied strain in existence. Unusually large flowers, remarkably clear colors, including new striped, new salmon shades and new bluish ones, all mixed." $\frac{1}{4}$ oz. 25c., Pkt. 10c.

DWARF SHIRLEY POPPY. This dwarf strain is identical with regular strain, except in height, has as fine a range of colors and is perhaps more suitable for bedding in some places. Pkt. 5c.

DWARF SHIRLEY POPPY "Snow White."

Until now no distinct colors of the very popular Shirley Poppy have been offered. This is a selection from the dwarf strain made by a noted German grower, who considers it of great merit. A large proportion of the plants produce pure white flowers, but if as sometimes happens, some have a slight rose tinge towards the tips of the petals, it is no great objection, and perhaps adds to their attractiveness. Pkt. 10c.

Iceland Poppy, Burbank's Strain.

popular. We consider ourselves fortunate in being selected strain. $\frac{1}{4}$ oz. 25c., Pkt. 10c.

This perennial poppy flowering the first season from seed, yearly becomes more able to offer seed from Mr. Burbank's



Dianthus Superbissimus.

NEW DWARF NASTURTIUM "QUEEN OF TOM THUMBS"

Of the many novelties introduced in the last two years this is one of the most charming and but few equal it in value to the amateur. It is entirely distinct in foliage in which lies its great charm, though the brilliant crimson flowers peeping out or rising a little above the silvery white and green foliage form a delightful contrast and add materially to the beauty of the plant. Did it not however bloom at all, we should still greatly admire it. Last season to fill a vacant spot in a mixed bed, we planted this and left in a mass some twenty plants and while for some reason, (probably because planted very late and on rich ground) it did not bloom, we were more pleased with it, than the year before when it bloomed freely. It proved just the thing and the always fresh variegated foliage contrasted beautifully with the other plants, and added greatly to the attractiveness of one of the most attractive mixed beds we ever had. It will be found desirable for growing in masses and will form a charming edge for the mixed border. Unless some other name should be given it by the large growers of seed it will probably be known, as the Queen of Tom Thumb's Brilliant Crimson under which name we now offer it to distinguish it from the following two varieties introduced this season. Pkt. 10 cents.

Queen of Tom Thumbs "Deep Orange Scarlet."

Queen of Tom Thumbs "Bright Rosy Scarlet."

Two new varieties of this beautiful class. Each, per pkt. 20 cents.

New Variegated Leaved Tall Nasturtiums

Perhaps even more desirable than the dwarf type are the following tall varieties with variegated foliage identical with that of the Queen of Tom Thumbs. These we have not seen growing as they are offered by the foreign grower this season for the first time. That so soon after the dwarf type was offered these should appear is surprising. If they prove to be as claimed and we have no doubt they will, they will be a very decided acquisition. Planted in combination with the older varieties having either light or dark leaves they must present, as claimed by the growers they will, a very striking and pleasing effect. As will be noticed just now we are able to offer two distinct colors or varieties, already quite constant but also a mixture of new hybrids not yet, we imagine, fully established but comprising at least six colors and perhaps more. We confidently recommend a trial of these by all admirers of this common but very beautiful and useful flower, the nasturtium as we feel sure they will not be disappointed in them, but will on the contrary, be greatly pleased. We append to each variety the description of the growers.

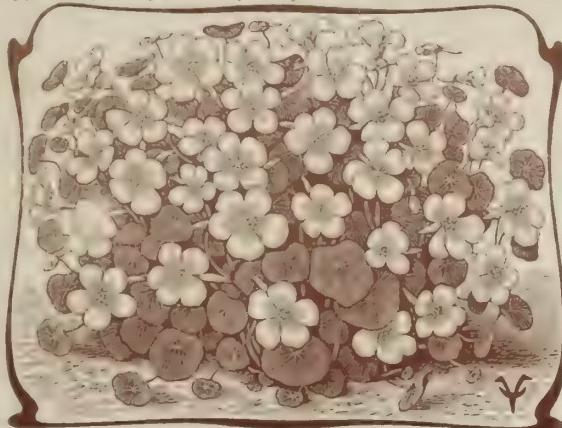
Queen of Lilliput "A very remarkable acquirement of the Lobbianum type, with a fine white marbled and veined foliage like the dwarf type of Tom Thumbs) which gives an exceedingly pretty appearance to this popular climber. The fine rich rosy scarlet comes out extremely effectively upon the speckled, marbled and veined foliage." Pkt. 20 cents.

Queen Dowager Emma "Of the same type and also of the same typical foliage, but with flowers of a deep crimson scarlet. We particularly wish to draw attention to these new sorts of this new Queen type of Tall Nasturtium, as we consider them both of real merit." Pkt. 20 cents.

Queen, mixed. New hybrids of the Queen type comprising six and perhaps more new colors, all with variegated foliage. Pkt. 20 cents.

NEW DWARF NASTURTIUM SNOW QUEEN

This new Dwarf Nasturtium is a selection from the Lilliput, and is introduced as the first real white Nasturtium. The flowers, however, when first opened, are of a yellowish tinge, soon turning white at the edges, and on the second day the whole flower becomes pure paper-white. The plant is of compact, bushy form with light green foliage, and produces freely its attractive flowers well above it. Notwithstanding the already large list of varieties, this will be found a pleasing addition. Pkt. 10 cents.



Nasturtium, Snow Queen

New Climbing Nasturtium BLACK PRINCE

This new variety is claimed by the introducer to be the darkest colored of all climbing Nasturtiums and much darker than the well-known King of the Blacks. When buds are unfolding the color is a deep blackish purple, which changes to a velvety black when flowers are fully expanded. Another striking and very desirable feature is the color of the foliage which is, like that of the Dwarf Nasturtium "Empress of India" a beautiful purplish or bronze green, planted with the new type having variegated leaves and the Golden Leaved Scarlet the effect would be striking and pleasing. Pkt. 5 cents, oz. 15 cents.

A New Type of Tall Nasturtiums "IVY LEAVED."

An entirely distinct type of this popular flower having leaves which resemble those of the English Ivy and flowers with narrow petals set well apart which give them some what a star-like appearance. As first introduced from England there was but one color, an intense scarlet, but since, a specialist in this country has succeeded in not only developing several varieties of different colors which have been offered under name but has now so further developed the class that in this mixture will be found nearly all colors of the regular types. It will be found a pleasing variation.

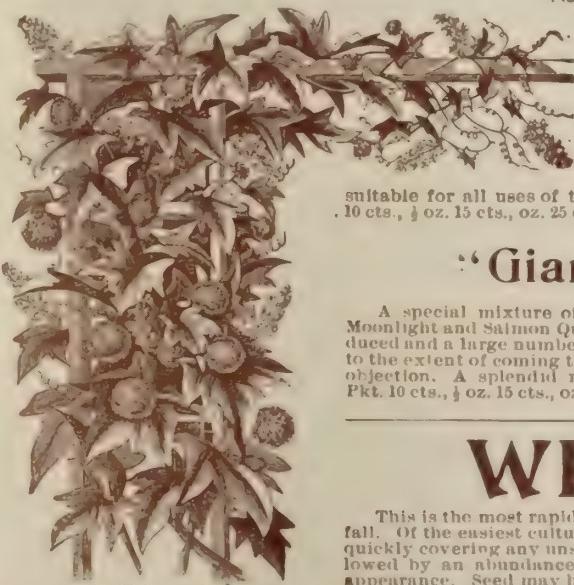
suitable for all uses of the common tall varieties and especially desirable for vases and hanging baskets. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., 2 oz. 45 cts., $\frac{1}{2}$ lb. 75 cts.

"Giant Flowered" Tall Nasturtiums

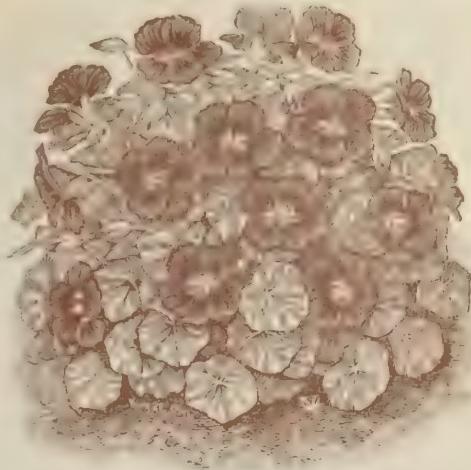
A special mixture of giant flowered varieties only comprising the first introductions, of this type, Sunlight, Moonlight and Salmon Queen which we offer in our general list, several other new named varieties since introduced and a large number of new nameless seedlings all of the giant type but which have not yet been developed to the extent of coming true from seed, which though it prevents them being offered under name is otherwise no objection. A splendid mixture, desirable for all who grow Nasturtiums, and especially for those who exhibit. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., 2 oz. 45 cts., $\frac{1}{2}$ lb. 75 cts.

WILD CUCUMBER

This is the most rapid grower of all annual climbers, and blooms early in the season and continuously until fall. Of the easiest culture growing wild in the West from self-sown seed. One of the most desirable plants for quickly covering any unsightly object; growing thirty feet, and covered with small white fragrant flowers, followed by an abundance of prickly but ornamental seed pods, it at all times presents a striking and effective appearance. Seed may be sown either in the fall or spring. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.



Wild Cucumber



Nasturtium, Queen of Tom Thumbs.

DAHLIAS

A Selection of Choice Varieties.
The Best of the New and Old.

All dahlias are sent postpaid at prices quoted. If desired by express 10 cents may be deducted from dozen price.

SHOW AND FANCY DAHLIAS

Each 15c., dozen \$1.50 except where otherwise noted.

SHOW DAHLIAS include all large close flowering varieties of a single color, and those in which the ground color is of a lighter shade than the edges or tips.

FANCY DAHLIAS include all striped, large, close-flowering varieties and those in which the ground color is darker than the edges. These varieties are, however, somewhat variable and often show but a single color.

A. D. LIVONI, shell pink, fine. Each 10c., doz. \$1.00

ALICE EMILY, Yellow, large and full, one of the best.

ARABELLA, pale primrose, shaded old rose and lavender.

DR. J. P. KIRKLAND or CUBAN GIANT, dark crimson, of fine form and largest size; blooms freely. Each 20c., doz. \$2.00.

FASCINATION, rose-pink, sometimes striped white, fine.

HECTOR, light orange-scarlet, large and of fine form.

IMPERIAL, deep purplish maroon, extra fine.

JOHN THORP, deep pink, large.

KEYSTONE, pinkish lilac, striped crimson.

LOTIE ECKFORD, creamy white, striped pink and crimson.

LUCY FAWCETT, pale yellow, striped deep pink.

MARGARET BELL, light magenta, excellent.

METEOR, bright red, very large.

MRS. DEXTER, very large, a rich shade of salmon. MRS. LANGTRY, cream-peach and purple, of medium size, very full, excellent.

MRS. SAUNDERS, light yellow, tipped white.

ORATOR, salmon buff, large.

PEARL, white, deeply edged rose, large.

PRINCESS BONNIE, light lemon, almost white, fine.

PURITAN, white, striped maroon.

ROBERT BROOMFIELD, pure white.

ROBIN ADAIR, terra cotta.

STATESMAN, deep crimson.

STORM KING, pure white, of medium size but blooms profusely, very desirable.

WILLIE AUSTIN, fawn, large.

CACTUS DAHLIAS of Special Merit

Except where otherwise noted
Each 20cts. Doz. \$2.00.

BEATRICE, pale rose, large, a lovely variety.

BRITANNIA, soft salmon-pink, large extra fine and very profuse.

BRUNHILDE, rich plum color, long and loosely arranged petals, a fine variety and very profuse.

COUNTESS OF LONSDALE, a pleasing blending of salmon-pink and amber, of finest form, flowers profusely under all conditions and is perhaps the most desirable of all cactus varieties.

CHAS. WOODBRIDGE, rich purplish crimson, excellent.

DAINTY, lemon yellow, tips of petals golden, base rose pink. Each 30 cents doz. \$3.00.

FLORODORA, wine crimson, extra fine. Each 25 cents, doz. \$2.50.

GEN. BULLER, rich velvety crimson, white tips.

JEALOUSY, clear bright yellow, extra fine. Each 25 cents, doz. \$2.50.

KREIM HILDE, soft pink, center nearly white.

LORD ROBERTS, creamy white.

MRS. H. J. JONES, scarlet, tipped white.

MAD. DE LUCCA, golden yellow, tipped orange.

Each 25 cents, doz. \$2.50.

RING DOVE, pinkish fawn or dove color, tipped white.

STANDARD BEARER, fiery scarlet, one of the best.

STELLA, rich vivid crimson, extra fine. Each 25 cents, doz. \$2.50

VESTA, clear pink.

VISCOUNTESS SHEARBROKE, reddish terra cotta. Each 25 cents, doz. \$2.50.

WINSOME, cream white, incurved petals, distinct. Each 25 cents, doz. \$2.50.

CACTUS DAHLIAS Choice Standard Varieties

Each 15 cents, Doz. \$1.50

AUNT CHLOE, very dark maroon approaching black, excellent.

ARACHNE. This derives its name meaning spider, from the peculiar curled and twisted petals and is of very unique form. The petals are creamy white, edged with a broad band of crimson. The color however, varies as much as the form; rarely two alike.

BRIDESMAID, rose, center pale primrose.

CANNELL'S GEM, deep orange.

CAPSTAN, soft brick-red, shaded apricot, with the exception of Countess of Lonsdale the most free blooming variety.

CORNUCOPIA, deep reddish salmon, fine.

DR. JAMESON, deep crimson, extra fine.

EARL OF PEMBROKE, bright plum, profuse.

INNOVATION, rich crimson, tipped pure white.

ISLAND QUEEN, light mauve.

KING EDWARD VII, bright cherry red.

KEYNE'S WHITE, pure white, good.

MARY SERVICE, pinkish apricot or heliotrope, fine.

MRS. BARNES, long twisted, narrow petals, lovely clear primrose, shading to a pale rosy pink.

MRS. BENNETT, soft crimson, laige of fine form, broad but well-curved petals.

MRS. CHAS. TURNER, yellow, large, one of the best of its color.

OCTOPUS, nearly white, slightly tinged lavender.

PORCUPINE, deep crimson, shaded darker.

STRAHLEN KRONE, intense cardinal-red, very rich, petals long and twisted, blooms very early and profusely.

ST. CATHARINE, True Cactus, with long spiral, pointed petals; very large; deep yellow, shaded red.

THE CLOWN, soft brick-red, sometimes tipped white.

DECORATIVE DAHLIAS

Each 15 Cents, Doz. \$1.50 unless otherwise noted.

This class includes all large loose flowering varieties which do not properly belong to the Cactus class. They are of very free blooming habit and flowers are usually of the largest size.

AMPHION, chrome yellow.

BEAUTY OF BRENTWOOD, plum, striped darker.

CATHERINE DUER, a beautiful glowing red.

Each 20 cents, doz. \$2.00.

CLIFFORD W. BRUTON, yellow, large and fine.

DOLLY, flesh color, tipped darker.

GRAND DUKE ALEXIS, pure white, faintly tinged with rosy lavender at tips of petals, large, petals quilled. Each 20 cents, doz. \$2.00.

HIMMLISCHE, very deep lavender approaching blue. Each 20 cents, doz. \$2.00.

LYNDHURST, rich cardinal red.

MAID OF KENT, cherry red, usually tipped white but variable.

MARCHIONESS OF BUTE, pure white, tipped rosy carmine.

MME. VAN DEN DAEL, finest soft pink. Excel-

lent for cutting. Each 20 cents, doz. \$2.00.

MISS BARRY, deep purple.

MRS. ROOSEVELT, the flowers of this grand

variety are of enormous size, generally over six inches in diameter, sometimes eight, always

perfectly double and very seldom have other than perfect center; color a delicate blush-pink, shading to clear soft pink. That which makes

this variety especially desirable is the combination of largest size and a great production of perfect flowers. Each 30 cents.

MRS. WINTERS, a fine white variety, excellent for cutting. Each 20 cents, doz. \$2.00

NYMPHAEA (Water Lily), shrimp-pink shading lighter toward tips of petals.

ORAN, rosy-lavender, suffused silvery fawn, extra fine.

WM. AGNEW, rich, dazzling carmine red, large and fine.

ZULU, very dark maroon.

Pompon or Bouquet Dahlias

Each 12c., dozen \$1.25

Small flowered varieties, the best of all for cutting, blooming more freely and usually having extra long stems.

ACHILLES. Pale lilac, finely quilled.

ARIEL. Orange-buff.

ALEWINE. Delicate pink, tinted lilac.

BOBBY. Plum color.

CATHERINE. Bright yellow.

DARKNESS. Dark maroon.

FAIRY QUEEN. Sulphur yellow, edged pink.

FASHION. Bright orange.

H. C. WINTERS. Pale fawn.

LITTLE BESSIE. Creamy white.

MAY CLIFT. Light maroon.

MABEL. Salmon-pink, fine.

PURE LOVE. Lilac.

PRINCE CHARMING. Cream, tipped purple.

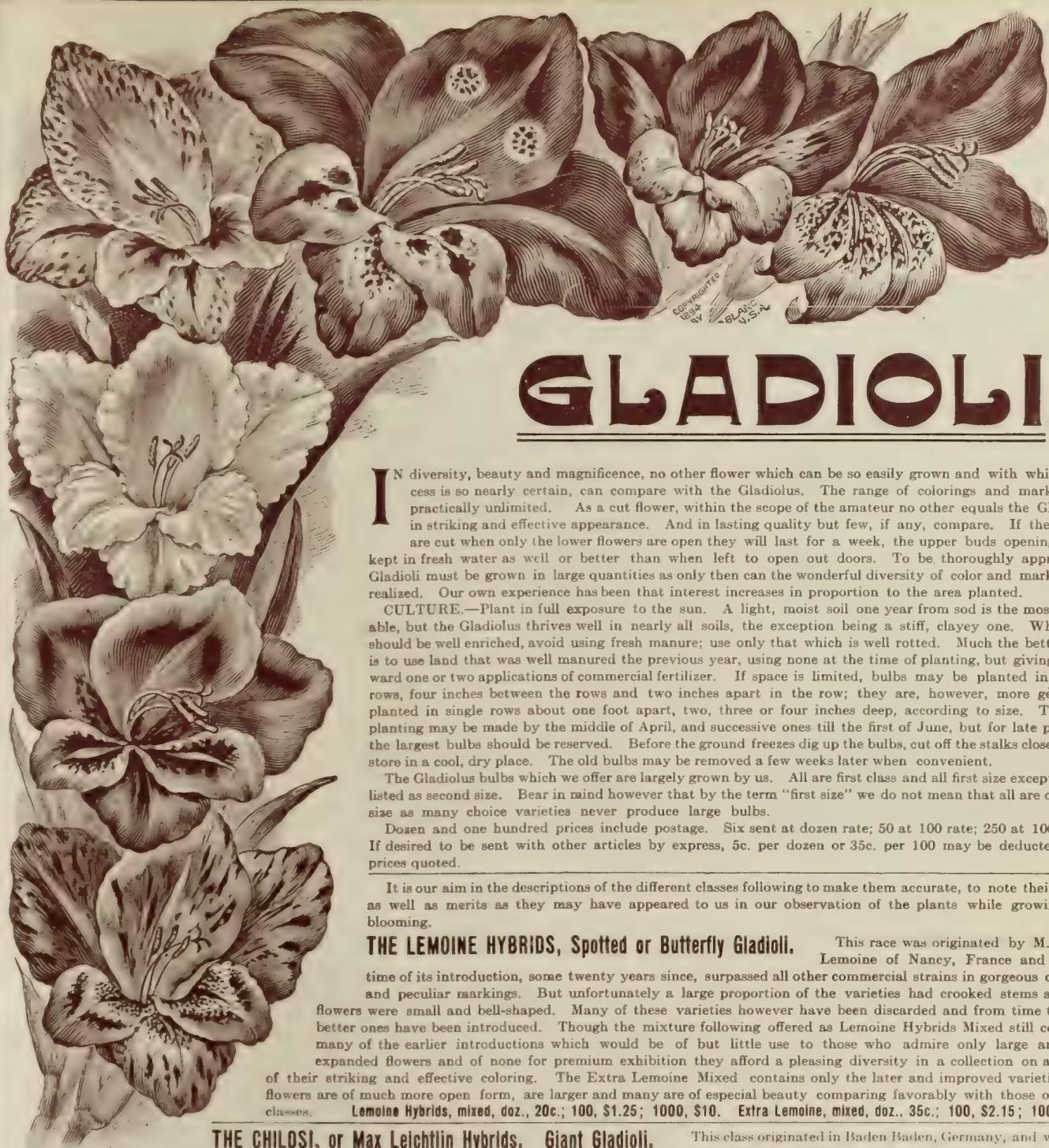
SNOW CLAD. Small white, free.

VIVID. Bright scarlet.

Mixed Dahlias

Dozen 90 cents, Hundred \$6.25

These include some of our best varieties, those of which labels have been lost and at times varieties of which we have a surplus. While all classes are usually included we give no guarantee that any lot sent out will include all, nor should it be understood that customer is privileged to order those of any one class. We shall however endeavor to send a good assortment of colors and are sure the mixture will be found very satisfactory.



GLADIOLI

IN diversity, beauty and magnificence, no other flower which can be so easily grown and with which success is so nearly certain, can compare with the Gladiolus. The range of colorings and markings is practically unlimited. As a cut flower, within the scope of the amateur no other equals the Gladiolus in striking and effective appearance. And in lasting quality but few, if any, compare. If the spikes are cut when only the lower flowers are open they will last for a week, the upper buds opening when kept in fresh water as well or better than when left to open out doors. To be thoroughly appreciated Gladioli must be grown in large quantities as only then can the wonderful diversity of color and marking be realized. Our own experience has been that interest increases in proportion to the area planted.

CULTURE.—Plant in full exposure to the sun. A light, moist soil one year from sod is the most desirable, but the Gladiolus thrives well in nearly all soils, the exception being a stiff, clayey one. While soil should be well enriched, avoid using fresh manure; use only that which is well rotted. Much the better way is to use land that was well manured the previous year, using none at the time of planting, but giving afterward one or two applications of commercial fertilizer. If space is limited, bulbs may be planted in double rows, four inches between the rows and two inches apart in the row; they are, however, more generally planted in single rows about one foot apart, two, three or four inches deep, according to size. The first planting may be made by the middle of April, and successive ones till the first of June, but for late planting the largest bulbs should be reserved. Before the ground freezes dig up the bulbs, cut off the stalks closely and store in a cool, dry place. The old bulbs may be removed a few weeks later when convenient.

The Gladiolus bulbs which we offer are largely grown by us. All are first class and all first size except where listed as second size. Bear in mind however that by the term "first size" we do not mean that all are of equal size as many choice varieties never produce large bulbs.

Dozen and one hundred prices include postage. Six sent at dozen rate; 50 at 100 rate; 250 at 1000 rate. If desired to be sent with other articles by express, 5c. per dozen or 35c. per 100 may be deducted from prices quoted.

It is our aim in the descriptions of the different classes following to make them accurate, to note their faults as well as merits as they may have appeared to us in our observation of the plants while growing and blooming.

THE LEMOINE HYBRIDS, Spotted or Butterfly Gladioli.

This race was originated by M. Victor Lemoine of Nancy, France and at the

time of its introduction, some twenty years since, surpassed all other commercial strains in gorgeous coloring and peculiar markings. But unfortunately a large proportion of the varieties had crooked stems and the flowers were small and bell-shaped. Many of these varieties however have been discarded and from time to time better ones have been introduced. Though the mixture following offered as Lemoine Hybrids Mixed still contains many of the earlier introductions which would be of but little use to those who admire only large and well expanded flowers and of none for premium exhibition they afford a pleasing diversity in a collection on account of their striking and effective coloring. The Extra Lemoine Mixed contains only the later and improved varieties, the flowers are of much more open form, are larger and many are of especial beauty comparing favorably with those of other classes.

Lemoine Hybrids, mixed, doz., 20c.; 100, \$1.25; 1000, \$10. Extra Lemoine, mixed, doz., 35c.; 100, \$2.15; 1000, \$14

THE CHILDSI, or Max Leichtlin Hybrids. Giant Gladioli.

This class originated in Baden Baden, Germany, and was the work of the noted bulb grower Max Leichtlin. At the time

of its introduction it surpassed all other strains both in size of spike and flower and was of remarkably strong, vigorous habit. The range of colors was not great, but there were many new shades of the slate or smoky-blue type. There has been considerable improvement since its introduction, the work of the introducer in this country, and some of the new seedlings are very fine and all are very large flowered, but there is yet a lack of good white and light varieties. This should by no means prevent any from giving this strain the place it deserves nor from planting it, and we only mention the fact to prevent disappointment to those who, ignorant of it, might plant expecting the usual proportion of such colors.

Choice Mixed Childsi. Contains many new seedlings as well as the best of the earlier introductions. Doz. 35c.; 100, \$2.15; 1000, \$14.00

NANCEIANUS, A New Race of Giant-Flowered Gladioli. This new race represents some of the later work of M. Lemoine. The flowers are wholly unlike the Lemoine Hybrids as first introduced and much larger than the Extra Lemoine. They are also of the improved open form. They rival the Childsi in average size and of some varieties the flowers are larger than any of the Childsi. They also surpass those of that strain in rich and striking coloring, the dark colored flowers especially being of exceptional beauty. Like the Childsi strain there are but few approaching white or very light varieties. The plants grow even taller than the Childsi and while the foliage is as heavy they lack the strong stiff stems of that strain, which is to be regretted, as growing so tall, they are not always able to support the weight of the large flowers, and need tall stakes to secure straight spikes. The remarkable beauty and size of the flowers are, however, merits which so greatly outweigh the faults of this strain we believe it is destined to occupy an important place. We are enabled to offer it at a greatly reduced price. Doz. 35c., 100, \$2.15, 1000, \$14.00.

Groff's Hybrid Gladioli

Noted the world over for their Beauty, Wonderful Diversity and Vigorous Habit of Plant.

Groff's Hybrid Gladioli are the product of years of scientific and painstaking work of Mr. H. H. Groff, a Canadian banker now known to the horticultural world as an extremely successful hybridizer of the Gladiolus. Evidently of scientific tendencies and an enthusiastic admirer of this flower and of ample means he was, many years ago, enabled at great cost to collect the best the world had to offer and must have had the finest collection in the world at that time. As extensive and excellent as was this collection, it appears by his statements that it was far from satisfactory, mainly, we infer, because of the lack of vitality of most of the varieties with consequent tendency to early degeneracy. He therefore commenced his work of hybridization and by annual selection of the best of the product which in turn were cross-bred was enabled after ten years or more of such work to introduce the Groff's Hybrid Seedlings which at their first exhibition in New York defeated the whole Childs section, then the most popular strain of Gladioli.

Later he introduced the Silver Trophy or World's Best Strain and the Gold Medal Collection first exhibited at the Pan-American Exposition at Buffalo and later at the World's Fair at St. Louis. At both places they attracted as much or more attention than any other part of the floral exhibit.

Mr. Groff is strongly opposed to the naming system, consequently every variety produced by him, regardless of how great its beauty and merits, is put into some mixture insuring to purchasers great possibilities. Though larger flowers and some as beautiful may be found in other classes we think Mr. Groff's productions excel in healthy, vigorous growth of plants. This vigor is easily accounted for by the fact that Mr. Groff does not permit a weak or unhealthy variety to remain in his field.

The stocks we offer were originally procured from Mr. Groff's distributor in the United States and in the event of a short crop of our own and also to make certain that our stocks should contain all of the latest introductions we have since purchased additional supplies from the same source. Therefore our stocks are true, a matter worthy of consideration by intending purchasers in view of the fact that it is said by the distributor that much of the stock being offered as Groff's Hybrids never originated with Mr. Groff. We offer the three classes in order of their introduction using the terms of the introducer, and customers may rely upon getting what they order, also a fact worth noting as it appears some have supposed they were securing the latest productions of Mr. Groff when really they were the first or at best these with a small addition of the Silver Trophy strain and generally at a price much in advance of what we ask for the first introduction.

Groff's Hybrid Seedlings.
Groff's Silver Trophy Strain.
Groff's Gold Medal Collection.

Groff's Hybrid Seedlings.

This mixture has without doubt been more largely planted for several years than any other class. Though it contains mainly only the earlier introductions the excellent varieties can be numbered by the thousand many of which are of high quality. It unfortunately, contains only a small proportion of white and light varieties, which lack may however be easily supplied by the addition of whatever proportion the purchaser desires of these shades of section 2, Silver Trophy strain, New White, Light and Yellow varieties; such a combination would afford a diversity with which no fault could be found.

Doz. 35c; 100 \$2.35; 1000, \$15.00.

Groff's Silver Trophy or WORLD'S BEST STRAIN.

This strain with its three sections comprises a much greater diversity than the preceding. While Section 1 comprises varieties somewhat similar, but of superior excellence, to the preceding, Sections 2 and 3 are especially desirable additions, Section 2 supplying a lack to which reference has been made, while in Section 3 are varieties previously not found in any other commercial strain.

1. NEWEST REDS, SCARLETS, AND CRIMSONS. Doz. 50c.; 100, \$3.00.

2. NEW WHITE, LIGHT AND YELLOW. All shades of white, cream and yellow in many combinations, relieved by stains and blotches of rich colors in most pleasing contrasts. Doz. 55c.; 100, \$3.50.

3. RARE BLUES, IN CLEMATIS, LILAC, AND HELIOTROPE SHADES. New Hybrids of Papilio Major, practically unknown. Not to be found in any other strain. Doz. 70c.; 100, \$4.35.

SILVER TROPHY STRAIN—MIXED. A mixture of above in well balanced proportions. Doz. 50c.; 100, \$3.00.

THE GOLD MEDAL COLLECTION

**Groff's Extra Select Pan-American
Exposition Collection.**

Our Worcester Mixture.

Since we began to offer this mixture it has been our constant aim to make it one of the greatest diversity not only in regard to color but of type or form as well; it therefore includes selections from all classes not only the large flowered varieties but also some of the smaller desirable varieties. Though the latter were originally included for the reason indicated, due attention has been given to the inclusion of a larger proportion of the later introductions having large flowers. Especial attention has also been given to colors and it will be found to be well balanced including a good proportion of white and light colors in which many mixtures are deficient. It has also been our intention to make the mixture one of the highest quality possible consistent with price and whenever purchasing new introductions we have always had in mind that eventually when our increase would warrant, these would become a part of this mixture. We have not spared expense in the purchase of such and from time to time have added the product of many high priced varieties. We consider it by considerable the best value we offer and claim that it cannot be surpassed by any offered elsewhere at this price. The second sized bulbs of this and our Choice Mixed are of good blooming size and such as we generally reserve for our own planting. First size, doz., 45c.; 100, \$2.75; 1000, \$22.00. Second size, doz., 25c.; 100, \$1.65; 1000, \$12.00.

This new collection is the best and latest product of years of costly effort and the result of scientific hybridization from the most valuable material the world has known. Every desirable section known is represented—Gandavensis, Lemoine, Nanceianus, Blues, and New Hybrids. The flowers are of the largest size in their respective types, the spikes of correct form, with plants of exceptional vigor and vitality. The White, Light, and Yellow shades are of the purest colors obtainable, relieved in many varieties by stains and blotches of most intense and decided contrast.

The Pink, Red, Scarlet, Crimson, and Cerise shades are of the highest quality, with flowers of the largest size and greatest perfection.

The New Blues, including tints of Lilac, Heliotrope, and Clematis, were never before offered in mixture. Doz. \$1.75; 100, \$12.00.

Our Choice Mixed.

This mixture at first contained only a fine assortment of the old type (Gandavensis) varieties but from time to time we have added other mixtures and varieties of more modern type making a mixture of great diversity containing a good proportion of White and Light varieties and well balanced generally. It has been our purpose to make the Choice Mixed as much like the Worcester as possible for the price and as with that, our work has been one of constant improvement; it is of greater value now than ever before.

First size, doz. 30c., 100, \$1.85; 1000, \$14.00. Second size, doz. 20c.; 100, \$1.25; 1000, \$8.00.

White and Light Shades.

CHOICE MIXED. A choice mixture of white and light varieties only. Doz. 30c.; 100, \$1.85; 1000, \$12.00.

EXTRA WHITE AND LIGHT MIXED. A superior mixture of these shades containing the best old varieties and new hybrid seedlings. Doz. 40c., 100, \$2.50; 1000, \$20.00.

BRENCHLEYENSIS.

A fine old scarlet variety, by far the best of all the old type for massing or planting among shrubbery. Doz. 25c.; 100, \$1.50; 1000, \$10.00.

New Gladiolus--Klondyke.

OUR trial of this new variety proved it to be a very lovely flower. Though its color is not just what we expected (a pure lemon yellow) it is nowise an objection nor is the slightly larger blotch of vivid crimson-maroon in the throat than we expected an objection. In fact the combination of very pale yellow and the crimson-maroon blotch makes this an exceedingly striking variety and one of the loveliest. The flower is of medium size, three to four inches in diameter, round, well opened, much more so than is usual, with large round petals of great substance which stand sun and wind exceedingly well. The plant blooms early and holds out late making the blooming season longer than that of most varieties and what still further increases its value is its strong healthy growth and the spike, which, though not heavy is stiff and wiry always straight, and seldom needs staking. The variety is very similar to one we have found in the Greff Collection, if indeed it is not identical. In either case the introducer are to be congratulated in having been able to offer so lovely a variety.

Each 15c.; 4 for 50c.; doz. \$1.40. 100 \$10.00.



New Pink Gladiolus--"America."

OUR trial of this last season enables us to say that we are largely in accord with the claims of the introducer. We quote from his circular to the trade as follows:

"America" was awarded Certificate of Merit by S. A. F., Washington, D. C., 1905; Mass. Hort. Soc., Boston, 1905; by American Institute, N. Y. City, 1905. Also used for decorating the Yacht "Mayflower" when Pres. Roosevelt received the Peace Envys."

Without a single exception this is the most beautiful and useful Gladiolus yet introduced.

GROWTH. By far the most vigorous and easily grown Gladiolus known. Strong and healthy, with luxuriant dark-green foliage and a freedom of growth and flowering surpassing all others.

FLOWERS. Spikes two to three feet long, erect with a great number of large spreading blossoms, all facing one way and showing a color the delicacy and beauty of which it is impossible to describe or reproduce. It is an exquisite soft lavender pink, very light, almost a tinted white; the color is the same as seen in the most exquisite Cattleya Orchids. No color like it in any other Gladiolus; none half so beautiful.

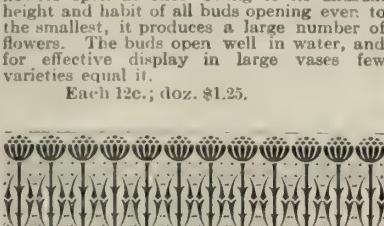
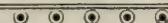
USEFULNESS. As a cut flower it is perfectly immense, lasting in water for a week or more, the great blossoms retaining full size and delicate coloring. For florists use and for bedding it is without a rival.

FOR FORCING. "America" forces easily and is the most profitable variety for that purpose. Its fine color makes it a ready seller at big prices."

Each 15c.; 4 for 50c.; doz. \$1.50; 100, \$11.00

Gladiolus-Princeps.

A New Giant-Flowered Variety.



This new variety under good cultivation grows 3½ to 4 feet high and is of exceptionally strong growth. The flowers are of immense size, well expanded and of the desired circular form. Color rich red with intense shadings in the throat and white blotches across the lower petals. The spike is stiff, always straight and notwithstanding that like all large flowered varieties there seldom are over four flowers open at once owing to its unusual height and habit of all buds opening even to the smallest, it produces a large number of flowers. The buds open well in water, and for effective display in large vases few varieties equal it.

Each 12c.; doz. \$1.25.

Klondyke Gladiolus.

Gladiolus--Canary Bird.

The Best Yellow Variety.

Though not a new variety this is well worthy a place in connection with the new varieties here listed. It is decidedly the best pure lemon yellow gladiolus that we have ever seen and more nearly free from markings of other color. Up to this time the mixtures offered by all growers as Yellow and Orange must have been somewhat disappointing to customers, as they have been to us, from the fact that there have been but very few varieties which could be properly classed as Yellow, in fact there has been but one which resembled Canary Bird and this had larger markings of color, was smaller flowered and was without such weak growth and poor vitality as to be of little use. Canary Bird though not a tall growing variety is of strong healthy and vigorous growth with a straight, stiff spike of the Gandavensis type. The flowers are of medium size, all face one way, and are set well together on the spike. There are several open at once and all open well to the last bud in water. The variety is a favorite of ours and we think will be satisfactory to all.

Each 10c.; doz. \$1.00; 100, \$7.50.

Gladiolus--White Sandersoni.

We have grown this variety or more properly strain (as the stock we offer as yet contains two varieties) for two years and are greatly pleased with it. The predominating variety is very nearly pure white equaling in this respect Snow White, a variety claimed by the introducer to be "the only pure white gladiolus in existence" and surpassing Shakespeare Augusta and all other nearly white sorts. The plant greatly surpasses Snow White in vigor and vitality and equals if not surpasses all the nearly white varieties which we have ever grown. The other variety has a beautiful faint tinge of blush, has the same healthy vigorous habit and is generally identical with the exception of the tint mentioned and that it blooms later. The plant is of the Gandavensis type with strong stiff spikes of medium length. The flowers are of medium size, of good form, all face one way and are borne closely together on the spike. Several are open at once and the buds open well in water. Eventually the two varieties will be separated and renamed. Meanwhile customers buying a dozen or more will probably secure some of each. Doz. 90c.; 100, \$6.00.



Gladiolus, Princeps.



This illustration shows how at a very small expense the surroundings of any home, even a very small cottage may be changed by planting a few hardy shrubs and herbaceous plants.

This view was taken from the Nurseryman's exhibit, made at the New England Fair in 1907. The place where this portable house was located was a barren field without a shrub or flower three days before the fair.

Hardy Flowering Shrubs

Almond. Double white and pink. 2 to 3 ft., 75c. each.

Althea. Double white, purple, red and variegated. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. each.

Azaleas. Ghent Hybrids, perfectly hardy, and of many brilliant colors. June. 18 to 24 in., \$1.50 ea.

Mollis. A new type flowering earlier than the Ghent, and in color and form approaching the Indian varieties. 18 to 24 in., \$1.00 ea.; 2 to 3 ft., \$1.50 ea.

Calycanthus. The wood is sweet-scented. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Clenthra. Erect spikes of flowers in August. 12 to 18 in., 35c. ea.; 18 to 24 in., 50c. ea.

Corchorus. A slender shrub, with small yellow flowers.

Cornus Sanguinea. Greenish white flowers. 2 to 2½ ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Elegantissima. Foliage marked with deep yellow varigation.

Spaethii. A showy and desirable shrub. One of the best. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Deutzia gracilis. Single white flowers. All varieties. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Pride of Rochester. Double white flowers, tinged with pink.

Crenata. Clusters of single white flowers.

Lemoinei. New variety, said to surpass them all.

Scabra. Single white flowers.

Elaeagnus Longipe. A Japanese shrub, large bright red berries. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Exochorda. A new shrub from North China. 3 to 4 ft., 50c. ea.; 4 to 5 ft., 75c. ea.

Forsythia. Blossoms a rich golden color. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Hydrangea. Paniculata grandiflora. Produces great masses of double flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Hypericum Aureum. A low shrub, with small yellow flowers. 2 to 3 ft., 75c. ea.

Rhodotypos Kerroides. A handsome shrub, with snowy white flowers. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Lilacs. Persica. Dense clusters of deep lilac flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Persica Alba. White flowers with dark throats. Fragrant

Vulgari. The common Lilac. Fragrant purple flowers.

Vulgari Alba. Common White Lilac. White flowers.

Privet. Ibotia. A new and valuable shrub and extensively used for hedges. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Pyrus Japonica. Bright scarlet flowers in profusion. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Rhodotypos. Flowers like small white roses. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Rhuscotinus. (Purple Fringe.) Covered with reddish seed-vessels like a purple mist. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Rhus Glabra Laciinata. Cut leaved, green in summer, changing to scarlet in the fall, with fern like appearance.

Sambucus Aurea. Foliage bright golden yellow. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Spiraea, Anthony Waterer. Umbels of crimson flowers. 18 to 24 in., 35c. ea.; 2 to 3 ft., 50c. ea.

Arguta. White flowers. Very hardy. 18 to 24 in., 35c. ea.;

Prunifolia. Small daisy-like white flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Thunbergii. White drooping flowers. 18 to 24 in., 35c. ea.; 2 to 3 ft., 50c. ea.

Van Houttei. Snowy white flowers. Graceful shrub. 3 to 4 ft., 50c. ea.; 4 to 5 ft., 75c. ea.

Stephanandra Flexuosa. White flowers in spikes along the branches. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Symporicarpus. Desirable shrub for winter berries

Racemosus. Rose-colored flowers in racemes. White berries in winter. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

Vulgaris. Flowers succeeded by dark red berries.

Syringa Aurea. Golden yellow foliage, a choice dwarf shrub. 18 to 24 in., 50c. ea.

Coronarius. White highly scented flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Grandiflora. A tall showy shrub. Fragrant flowers.

Viburnum. A choice bush of flowers, ought to be in all collections. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Opulus. Its red berries resemble cranberries. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Opulus Nana. Very dwarf, round and compact. 8 to 12 in., 50c. ea.; 16 to 18 in., 75c. ea.

Plicatum. Large balls of double pure white flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Tomentosum. Flowers pure white, single flower along the branches. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Weigelias. Trumpet-shaped flowers. All shades and colors. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.

Candida. Pure white flowers in profusion.

Rosea. Rose colored flowers.

Variegated-leaved. Flowers pink and white.

RHODODENDRONS

There are no evergreen shrubs more desirable than Rhododendrons. They are hardy, and grow to spread several feet in diameter, giving annually a large mass of showy flowers in many colors. The leaves remain green throughout the winter, making the plant attractive and showy. They do best in a partial shade, and when set, a good-sized hole should be dug and filled with leaf-mold from the woods, or pulverized muck. In fall, a mulch with leaves or stable manure will be found very beneficial. Choice selected plants with flower buds and ball of earth.¹

Price, all kinds: 18 to 24 in., \$2.00 each, \$17.50 for 10. 2 to 2½ ft., \$2.50

Price, all kinds: 18 to 24 in., \$2.00 each, \$17.50 for 10. 2 to 2½ in., \$1.00 each; \$20.00 for 10.

Album Elegans. Blush, changing to white, fine shape.
Grandiflorum. White and blush; foliage fine.



STANDARD APPLES.
SUMMER.

Early Harvest, straw-colored coat.
Red Astrachan, deep crimson, rich.
Sweet Bough, greenish yellow.

AUTUMN.

Duchess of Oldenburg, streaked red and yellow.
Fall Pippin, yellowish green.
Gravenstein, spotted orange crimson.
Maiden's Blush, pale yellow.
Porter, yellowish white.
Fameuse, spotted with crimson.
Pound Sweet, shaded crimson.

WINTER

Baldwin, large bright red.
Sutton Beauty, large reddish yellow.
McIntosh Red, yellowish green.
Jubbardston, golden yellow.
King, blotched crimson.
Northern Spy, red stripe.
Rhode Island Greening, greenish yellow.
Coxbury Russet, dull green.
Talman's Sweet, striped red.
Yellow Bellflower, pale yellow.
Jonathan, med. pale yellow.
Stocky trees 50c. each, \$4.50 per 10; extra sized
5c. and \$1.00 each.

CRAB APPLES.

Gen. Grant, yellow.
Transcendent, striped red.
Eyslop, large light red.
Martha Whitney, round, golden yellow.
Stocky Trees 50c. each, \$4.50 per 10; extra sized
5c. each.

EUROPEAN PLUMS.

Bradshaw, medium, juicy.
Lombard, medium, violet-red.
Reine Claude, large green.
Shropshire Damson.
Yellow Egg.

JAPANESE PLUMS.

Iatsuma, abundance, large lemon yellow.
Burbank, large, cherry red.
Vickson, maroon-red.
Red June.
Stocky trees 75c. each, \$6.00 per 10;

QUINCE.

Orange, large, yellow.
Champion.
Feechee's Prolific.
Tea's Mam.
Jourgeat.
Stocky trees 75c. each, \$6.00 per 10.

CHERRIES.
SWEET

Hack Eagle, large, purple.
Hack Tartarian, large, rich.
Joey Transparent, medium.
Joy Wood, large, yellow.
Joy Duke, large, red.
Empoleon Bigarreau, pale yellow.
Lockport, bright red.

Schmidt's Bigarreau, large
Windsor, liver-colored.
Yellow, Spanish, yellow.

SOUR.

Early Richmond, very productive.
English Morello, large, red.
Stocky trees \$1.00 each, \$9.00 per 10.

PEACHES.

EARLY.

Greensboro, white, red cheek.
Hale's Early, white.
Champion, red.
Crosby, yellow.

MEDIUM.

Crawford's Early, yellow.
Elberta, yellow.
Morris White, white.
Mountain Rose, very juicy.
Old Mixon, large, juicy.

LATE.

Crawford's Late, yellow.
Stump the World, late.
Ward's Late, white.
Price 30c. each, \$2.50 per 10; per 100, \$18.00.

STANDARD PEARS.

SUMMER.

Bartlett, juicy.
Clapp's Favorite, large.

AUTUMN.

Beurre D'anjou, greenish yellow.
Louise Bonne, yellow.
Beurre Bosc, large.
Seckel, small, and juicy.
Sheldon, brown, juicy.
Ver. Beauty, highly colored.
Worden Seckel, form of common Seckel.

WINTER.

Lawrence, lemon yellow.
Stocky trees 75c. each, \$6.00 per 10; extra size.
\$1.50 each.

DWARF PEARS.

Beurre D'Anjou.
Clapp's Favorite.
Duchess D'Angouleme.
Kieffer.
Lawrence.
Seckel.
Dwarf trees 75c. each, \$6.00 per 10.

BLACKBERRIES.

Plant in rich soil in rows 5 feet apart, plants 3 feet apart. After fruiting season, or better in early spring, cut out all the dead canes. A heavy top-dressing of manure in fall will be conducive to big crops. Keep ground clean.
Erie, hardy and of good quality.
Rathbun, plant hardy, vigorous and a great bearer; fruit very large, black and lustrous and of the highest quality.
Snyder, medium-sized fruit; very fine.
Wilson, Jr., the largest variety.
Wachusett.
Agawam.
75c. per 10, \$5.00 per 100.

FRUITS

There is money in fruit if properly handled and with the present method of spraying the work of caring for an orchard is very simple and no easier money can be made than in growing fruits.

Nearly all farms have different varieties of soil that can be utilized for different fruits.

Our list comprises all of the standard kinds.



CURRENTS.

Plant in good soil, keep well cultivated and manured. There are few fruits that will so thoroughly repay for a little extra care.
Cherry, rich red, large and acid.
Fay's Prolific, very productive and large.
Versailles.

White Grape, the best white kind.
Black Maples, vigorous, very productive.
Black Champion, very large, the best black Currant.
\$1.50 per 10, \$10.00 per 100

GOOSEBERRIES.

It is best to plant in rich ground, keep well worked and free from weeds. Clean out old wood in spring, and trim to keep bushes in nice shape.
Downing, very popular, hardy. 25c. each, \$1.50 per 10.
Industry, free from mildew, very prolific.
30c. each, \$2.00 per 10.
Smith's Improved, good, reliable kind.
25c. each, \$1.50 per 10.
Houghton. 25c. each, \$1.50 per 10.
Josslyn. 30c. each, \$2.00 per 10.

RASPBERRIES.

Plant in rows about 5 feet apart and 3 feet between the plants. They like good rich soil, with plenty of manure. Early in the spring cut out the old wood which bore the last crop of fruit.
Cuthbert, excellent variety; productive.
Columbian
London.
Shaffers.
Souhegan.
Golden Queen
Gregg.
Marlboro.
75c. per 10, \$5.00 per 100.

GRAPES

Will grow and bear abundantly in any reasonably good soil.
Brighton, fine, large round coppery red berries; rich and sweet.
Catawba, large bunches; round coppery red berries; rich flavor.
Campbell's Early, handsome black berries, with purple bloom; rich sweet flavor.
Concord, fine black variety; splendid flavor, reliable and productive.
Delaware, violet-red berries; sweet, juicy and highly flavored.
Moore's Diamond, greenish white berries, of fine quality.
Moore's Early, large round berries; black with blue bloom; very early variety.
Niagara, grand white variety; large pale yellow berries; tender sweet and juicy.
Pocklington, very large golden yellow berries.
Salem, large round coppery red berries, tender and juicy.
Worden, superior large bunches and berries; fine flavor.
Green Mountain.
Vergennes.
Agawam.
Price all kinds, 2 yr. 50c.; 3 yr. 75c.



Evergreens and Ornamental Trees

Limited room at our disposal allows us to name only a few of the best of these two classes, but we can furnish nearly anything.

Evergreens not only are an ornament to any lawn but they make the best possible wind-break for gardens and driveways. Vegetables will mature ten days earlier sheltered by a row of evergreens than those planted in the open field.

Many of our ornamental trees with their different colors of foliage at this season of the year are equal to many of our flowering shrubs. No home is complete without them.

ABIES. FIR.

<i>Abies Concolor.</i>	Each.	Per 10.
	5.00	
	8.00	
<i>Douglasii.</i> Douglas Spruce.	3.50	30.00
	5.00	45.00
<i>Balsamii.</i>	.75	

<i>Canadensis.</i> Hemlock.	1.00
	1.00
	1.50
	2.00
<i>Nordmanniana.</i> Nordmann's Fir.	2.50
	4.00
	6.00

<i>JUNIPERUS. THE JUNIPERS.</i>	
<i>Communis.</i>	2.00
	17.5
<i>Aurea.</i> Douglas Gol. Juniper.	1.00
	7.5
	12.5
<i>Hibernica.</i> Irish Juniper.	1.00
	1.50
<i>Suecia.</i> Swedish Juniper.	1.00
	1.50
<i>Virginiana.</i>	.75
	1.00

<i>PICEA ALBA.</i>	.75
	1.00
<i>PICEA ENGLEMANII.</i>	3.00
	5.00
<i>PICEA EXCELSA. NORWAY SPRUCE.</i>	1.00
	7.50
	1.50
<i>PICEA PUNGENS COLORADO SPRUCE.</i>	4.00
	5.00
<i>Picea Kosteriana.</i>	\$6.00
	10.00
2½-3 ft. selected, each	\$15.00
3-3½ ft. selected each,	10.00
4-5 ft. specimen, each	\$15.00 to \$15.00

<i>Pinus Austriaca.</i>	.50
	2.00
" Mugho.	1.50
" Strobos.	1.25
" Sylvester.	1.50
<i>Retinospora Filifera.</i>	2.00
	2.50
<i>THUJA. THE ARBOR-VITAE.</i>	.75
<i>Thuja occidentalis.</i> Amer.	1.00
	7
	10
<i>Gy.</i>	1.50
<i>He.</i>	1.00

<i>Var. Globosa.</i>	1.50
<i>Var. Sibirica.</i>	1.00
	1.50
<i>18 in. bushy</i>	1.50
<i>18-24 in.</i>	1.00
<i>2-2½ ft.</i>	1.50

ACER—THE MAPLES.		
<i>Dasycarpum.</i> Silver Maple.	Each.	Per 10.
10-12 ft.	1.50	\$12.50
12-14 ft.	2.00	15.00
<i>Var. Wierii.</i> Weir's Cut Leaf Maple.		
10-12 ft.	1.50	\$12.50
12-14 ft.	2.00	15.00
<i>Geneva.</i>		
6-8 ft.	1.50	12.50
8-10 ft.	2.00	15.00
<i>Saccharinum.</i> Sugar Maple.		
10-12 ft.	1.50	12.50
12-14 ft.	2.00	15.00
<i>Platanoides.</i> Norway Maple.		
9-10 ft.	1.00	9.00
10-12 ft.	2.00	17.50
12-14 ft.	1.50	15.00
<i>Var. Schwedleri.</i>		
6-8 ft.	2.00	17.50
8-10 ft.	2.50	20.00
10-12 ft.	3.00	25.00
JAPANESE MAPLES.		
<i>Acer Polymorphum</i> (Japanese Maple.)		
2-3 ft.	3.00	25.00
<i>Atropurureum.</i> (Blood-leaved.)		
2-2½ ft.	2.50	20.00
2½-3 ft.	3.00	25.00
<i>Atropurureum Aureum.</i> (Golden.)		
2-2½ ft.	2.50	20.00
<i>Atropururem Dissectum.</i> (C.L. Maple.)		
2-2½ ft.	2.50	20.00
WHITE FLOWERING HORSE CHESTNUT.		
6-8 ft.	1.00	8.50
8-10 ft.	2.50	20.00
(See under.)		
<i>AESUCLUS.</i> The Horse-Chestnuts.		
<i>Rubicunda.</i> Red-flowered Horse Chestnut.		
6-8 ft.	2.00	
8-10 ft.	2.50	
BETULA. The Birches.		
<i>Betula Alba.</i>		
8-10 ft.	1.50	13.50
10-12 ft.	2.50	20.00
<i>Papyracea.</i> Paper or Canoe Birch.		
8-10 ft.	1.50	12.50
10-12 ft.	2.50	20.00
<i>Var. Laciniata Pendula</i> or the C. Leaf Weeping Birch.		
8-10 ft.	2.50	20.00
10-12 ft.	3.00	25.00
CATALPA.		
<i>Bungeii.</i> Globe-headed Catalpa.		
5-6 ft.	2.00	17.50
6-8 ft.	2.50	20.00
<i>Speciosa.</i> Western Catalpa.		
6-8 ft.	1.00	9.00
8-10 ft.	1.50	12.50
CERCIDIOPHYLLUM.		
<i>Cercidiphyllum Japonicum.</i>		
6-8 ft.	1.50	12.50
8-10 ft.	2.00	15.00
CLADRASTIS.		
<i>Cladrastis.</i> Yellow Wood		
6-8 ft.	1.50	12.50
8-10 ft.	2.00	15.00
FAGUS. THE BEECHES.		
<i>Fagus ferruginea.</i> Am. Beech.		
4-6 ft.	1.50	12.50
6-7 ft.	2.00	17.50
<i>Var. Purpurea.</i> Rivers' Purple.		
4-5 ft.	2.00	17.50
5-6 ft.	3.00	25.00
6-7 ft.	3.50	
8-10 ft. specimens	\$5.00 and \$6.00	
FRAXINUS. THE ASH.		
<i>Fraxinus Americana.</i> White Ash.		
10-12 ft.	1.50	12.50
12-14 ft.	2.00	15.00
<i>European Ash.</i>		
6-8 ft.	1.50	12.50
8-10 ft.	2.00	15.00
10-12 ft.	2.50	20.00
LIRODENDRON. TULIP TREE.		
<i>Lirodendron tulipifera.</i>		
6-8 ft.	1.00	7.50
8-10 ft.	1.50	12.50
<i>(Alexandrina.)</i>		
4-5 ft.	3.50	32.50
<i>Lennei.</i>		
4-5 ft.	3.50	30.00
<i>Soulangiana.</i>		
5-6 ft.	3.00	25.00
<i>Speciosa.</i>		
4-5 ft.	2.00	17.50
	2.50	20.00
<i>Stellata.</i> (Halleana.)		
3-4 ft.	2.50	20.00
4-5 ft.	3.50	30.00
MORUS. MULBERRY.		
<i>Tartarica.</i> Russian Mulberry.		
4-5 ft.	.35	2.50
<i>Var. Teas.</i> Weeping Mulberry.		
5 ft. 2 yr. heads	2.00	15.00
POPULUS. POPLARS.		
<i>Var. Bolleana.</i>		
10-12 ft.	1.50	10.00
12-14 ft.	2.00	15.00
<i>Fastigiata.</i> Lombardy Poplar.		
12-14 ft.	1.25	10.00
14-16 ft.	1.50	12.50
<i>Monilifera.</i> Carolina Poplar.		
10-12 ft.	0.75	6.00
	1.00	9.00
QUERCUS. THE OAKS.		
<i>Bicolor.</i> White Oak.		
	1.50	12.50
<i>Coccinea.</i> Scarlet Oak.		
	1.50	12.50
<i>Palustris.</i> Pin Oak.		
	1.50	12.50
<i>Rubra.</i> Red Oak.		
	1.50	12.50
SALISBURIA. GINKGO.		
<i>Salisbury adiantifolia.</i>		
	1.50	13.50
	2.50	20.00
SALIX. THE WILLOWS.		
<i>Salix alba.</i> White Alba.		
	1.00	8.00
<i>Aurea Pendula.</i> Gol. Weeping.		
	2.50	20.00
<i>Babylonica.</i> Weeping Willow.		
	1.50	10.00
<i>Vetellina.</i> Golden Willow.		
	2.00	15.00
TILIA. THE LINDENS.		
<i>Tilia Americana.</i> American.		
	1.50	12.50
	2.00	17.50
<i>European Linden.</i>		
	1.75	15.00
	2.50	20.00
ULMUS. THE ELMS.		
<i>Ulmus Americana.</i> Amer. Elm.		
	1.50	12.50
	2.50	20.00



Hardy Herbaceous Plants

By this we mean plants that are hardy and may be allowed to remain in the open ground during the winter but which the foliage dies down to the ground each autumn, coming up with

renewed vigor the following spring. This class of plants is becoming very popular as they require but very little attention and after once planted will last for years. Our collection includes all of the best. If you do not find what you want, ask for it and we can no doubt furnish it.

oo

You can have a perfect wealth of flowers from spring until fall if you plant the right kinds.

These plants grow in beauty, size and value year by year.

They require less care than most desirable flowering plants, and are adapted for nearly every condition. The months named indicate the time of flowering of each.

HERBACEOUS PERENNIALS.

- Achillea**—Yarrow. *Millefolium*. Rose. June. 2-3 feet.
Pearl. White. July. 2-2½ feet.
- Aconitum**—Monkshood.
Aconitum Napellus. Blue. August. 3-4 feet.
- Anemone**—Windflowers.
Anemone Japonica alba. White. Sept. 2-3 feet.
Var. *Rosea*. Pink. Sept. 2-3 feet.
Var. *Queen Charlotte*. Double Pink. Sept. 2-3 feet.
Var. *Whirlwind*. Double White. Sept. 3-4 feet.
Var. *Rubra*. Sept. 1½-2 feet.
- Anthemis**—Tinctoria. Yellow. June. 1-2 feet.
- Aquilegia**—Columbine.
Aquilegia caerulea. Black and White. Apr. 1-2 feet
Chrysanth. Yellow. April. 3 feet.
Flabellata nana alba. White. April. 1 foot.
Skinneri. Scarlet. May. 1½-2 feet.
- Aster**—Michaelmas Daisies or Startwort.
Novas-Angliae. Purple. Sept. 3 feet.
Var. *Mrs. F. W. Raynor*. Red, Violet. Sept. 4 feet.
Var. *White Queen*. White. Sept. 3-4 feet.
- Boltonia**—*Boltonia Latisquama*. Pink. Aug. 4-5 feet.
- Campanula**—Bell Flowers or Blue Bells.
Campanula carpatica. Blue. July. ½ foot.
Medium. Canterbury Bell. Blue. May. 1-2 feet.
Persicifolia. Peach-leaved Bell flower. Blue. June. 1-1½ feet.
- Coreopsis**—Corchorus lanceolata grandiflower. Yellow. May. 1-1½ feet.
- Delphinium**—Perennial Larkspur.
Delphinium Chinense. Blue. June. 1½-2 feet.
Elatum. English Hybrids. Blue. June. 4-5 feet.
Formosum. Indigo. June. 2-3 feet.
- Dicentra**—Bleeding Heart or Dutchman's Breeches.
spectabilis. Pink. May. ½ foot.
- Dictamnus**—Gas Plant. *Fraxinella*. Red. May. 1-2 feet.
- Digitalis**—Foxgloves. *Grandiflorus*. Yellow. June. 2-3 feet.
Purpurea. Com. Foxglove. Purple. June. 2-3 feet.
- Echinacea**—*Purpurea*. Purple. July. 2-3 feet.
- Gaillardia**—*Grandiflora compacta*. July. 1½ feet.
- Gypsophila**—Baby's Breath. *Paniculata*. White. July. 1½ ft.
- Helenium**—Sneezwort.
Helenium autumnale superbum. Yellow. Aug. 3 ft.

Helianthus—Sunflowers.

Mollis. Yellow. Aug. 3 feet.
Multiflorus maximus. Yellow. Aug. 5-6 feet.

Heuchera—Alum Root.

Heuchera sanguinea. Scarlet. May. ¾-1 foot.

Liatris—*Liatris spicata*. Purple. July. 2-3 feet.

Linum—*Linum perenne*. Blue. June. 1½ feet.

Lobelia—Cardinal Flower.

Lobelia cardinalis. Cardinal. Aug. 1½ feet.

Lupinus—Lupine.

Lupinus polyphyllus. Purple. Apr. 2-3 feet.

Lychnis—Lamp Flower or Ragged Robin. *Lychinis chalcedonica*, Scarlet Lightning Scarlet. July 3 feet.

Lythrum—*Roseum superbum*. Rose. July. 4-5 feet.

Monarda—Bergamot.

Monarda didyma splendens. Scarlet. July. 1-2 feet.
Fistulosa alba. White. July. 2-2½ feet.

Papaver—Poppy.

Papaver nudicaule, Iceland Poppy. May. ½ foot.
Oriental. Oriental Poppy. Scarlet. June. 2-2½ feet.

Platycodon—Japanese Bell Flowers.

Platycodon grandiflora. Blue. June. 2 feet.
Var. *alba*. White. June. 2 feet.

Mariesii. Blue. June. 1½ feet.

Polygonum—Cuspidatum. White. Aug. 5-6 feet.

Pyrethrum—*Roscum* and *Uliginosum*. June. 1-1½ feet. White. Aug. 2-2½ feet.

Ranunculus—Double Buttercup. Yellow. April. 1-1½ feet.

Rudbeckia—*Fulgida*. Orange. Aug. 1½-2 feet.

Newmanni, Black-eyed Susan. Orange. Aug. 1½-2 ft.

Sedum—*Spectabilis*. Pink. July. 1 foot.

Stokesia or Stokes Aster.

Stokesia cyanea. Blue. June. ¾-1 foot.

Tritoma—Red Hot Poker.

Var. *Pfitzeri*. Coral. July. 1-1½ feet.

—PRICE—

Extra Strong field grown Plants

Single plants of any variety	25 cents.
10 plants of any varieties	\$ 2.00
100 " " in 10 "	18.00
100 " " our selection	15.00



Hardy Perennial Phloxes

Phloxes are among the very best of all the herbaceous plants, being very showy and with the large assortment we offer they can be had in bloom from June until fall. They succeed almost anywhere. The roots we offer are strong, field grown and will give perfect satisfaction. They should be in every garden. The colors range from bright shades of pink, red, salmon and other distinct colors. Do not fail to plant a bed of Phlox.

PHLOX

BOQUET FLEURI. White Crimson eye.
BOULE DE FEU. Bright Red.
CHAMPS ELYSEE. Purple Crimson.
CARAN D'ACHE. Rosey Crimson.
CROSS OF HONOR. Striped Lilac.
COQUELICOT. Orange Scarlet.
EPOPEE. Reddish Violet.
ECLAIREUR. Carmine.
FIANCE. White.
HECTOR. Pink.
INDEPENDENCE. White.
LA CANDEUR. White, Dwarf.
LA CYGNE. Salmon Rose, Dwarf.
L'EVENEMENT. Pink.
LOTHAIR. Salmon, Red Eye.
LE POLE DU NORD. White, Crimson Centre.

LUMINEAUX. Rose.
MAD. P. LANGIER. Geranium Red.
MATADOR. Orange Red.
MONTEGARD. Deep Crimson.
ORNAMENT. Bright.
PREMIER MINISTER. Rosy White.
QUEEN. White.
R. P. STRUTHERS. Bright Pinkish Salmon.
RICHARD WALLACE. White, Rose Centre.
THE BAIDE. Salmon Red.
TERRE NEUVE. Gray Lilac.

Price 25 cts. each, \$2.00 for 10, \$18.00 per 100.
 Mixed kinds but not named 100 \$15.00, 25 at 100 rates.

PAEONIA

Without doubt this family of plants is one of the most important in existence, and the more the plants become known, the greater is the demand for them. During the last few years great improvements have been made in size and color of the flowers. They are perfectly hardy, and will grow well in almost any soil. Our collection is a complete one.

Strong plants 60 cts. each, \$5.00 per 10 except price otherwise noted.

PEONIAS (DOUBLE)

FESTIVA MAXIMA. White @ \$1.00 each, rare and scarce.
FORMOSA ALBA. White.
FRANCOIS ORTEGAL. Dark Crimson.
HUMEI. Rose.
MARIE LEMOINE. White.
NE PLUS ULTRA. Pink.
OFFICINALIS ALBA. White.
 " Rubra. Red.
QUEEN VICTORIS. Blush.
TENUIFOLIA FLORE PLENO. Red, 75 cents each.
NELLI PLEAS. Rose.
PHORMIS. Deep Red.
RUBRA TRIUMPII. Dark Red.
ZOE CALOT. Rose.
LUTESCENS. White.
GEN. BERTRAND. Light Rose.
WASHINGTON. Light Red.
LILACINA PLENISSIMA. Flesh.
GRANDIFLORA ROSEA. Light Rose.
COMTE DE DIESBACH. Dark Red.
LOUIS VAN HOUTTE. Dark Red, 75 cents each.

PEONIAS (SINGLE)

JOSEPHINE. Rose.
LARISSA. Pink.
 Mixed Kinds Pink and Red 50 cents each.

HOLLYHOCKS

A perennial border of formal garden is incomplete without a good share of these stately perennials. We have a good collection of extra strong field grown plants.

Single Mixed Double Yellow Double Red Double Pink Double White
 Each 25 cents, per 10 \$2.00, 100 \$15.00.

IRIS KAEMPFERI (JAPANESE)

These gorgeous Irises are the most beautiful of all summer-flowering plants, and no well-regulated garden is complete without them. 25 cents each, \$2.00 per 10, \$15.00 per 100.

ALBA PLENA. Double White.
ALIDA. White, Six Petals.
BLUE BEARD. Blue, Three Petals.
BLUE DANUBE. Rich Blue.
BLUE JAY. Azure Blue, Three Petals.
COMMODORE PERRY. Dark Red.
ECLAIRIER. Double White.
GOLD BOND. Double White Yellow Centre, Six Petals.
HYDE PARK. Reddish Purple.
MAHOGANY. Dark Red, 9 Petals.
NAVY BLUE. Dark Blue, 6 Petals.
PAINTED LADYWHITE. Striped pink, Three Petals.

IRIS GERMANICA

Are exceedingly decorative and beautiful; in fact, they are indispensable where bright effects are desired.

JUNE.

AURORA. Golden Yellow.
CELESTE. Blue.
FLORENTINE. Blue, Violet Purple.
MME. CHEREAU. White Fringed Violet.
PALLADA SPECIOSA. Lavender.
REBECCA. Yellow and Russet.
SAPIO. Purple.
BLUE BIRD. Bright Blue.
QUEEN OF MAY. Rosy Lavender.
DARIUS. Chrome Yellow.
SILVER KING. Silvery White.

Price each 25 cents, per 10 \$2.00.
 Mixed Kinds Dozen 75 cents.



Roses

Our list of varieties contains nothing but desirable and distinct kinds.

Directions for Planting. If possible select a position sheltered from high winds but open to sunshine. If the soil is not naturally suitable, it can be made so by removing the sub-soil and filling in with good, rich loam and decomposed stable manure well worked in. When planting be sure and prune all of the bruised roots and branches. Set deep enough to cover the junction of the bud and stock.

During the growing season they should be well sprayed with In the following list of plants is height of the plant.

Hybrid Perpetual Roses

ABEL CARRIERE. Brilliant purplish crimson, vigorous.

ALFRED COLOMB. Bright Crimson, splendid, robust grower.

ANNE DE DIESBACH. Beautiful carmine, very large and fragrant. One of the best.

BARON BONSTETTEN. Dark crimson.

BARONNE DE MAYNARD. White.

ARONNE PREVOST. Pale rose, large and full.

ESSIE JOHNSON. Blush white.

ARONNE DE ROTHSCHILD. Beautiful light rose.

CAPTAIN CHRISTY. Delicate rose.

LIO. One of the best of the newer varieties; of fine vigorous growth, with rich foliage; large, perfect flowers of globular form; delicate flesh-color with pink rosy centers.

OQUETTE DES ALPES. White.

OUNTESS OF OXFORD. Carmine.

UKE OF TECK. Vivid scarlet.

UKE OF EDINBURGH. Bright carmine.

ISHER HOLMES. Lively crimson, a very valuable sort.

RANCOIS MACHELLON. Rich rose.

RAU KARL DRUSCHKI. Fine snow white variety, free from any yellow or rose tints. Very good for cutting purposes, buds are lasting.

EN. JACQUEMINOT. Glowing scarlet-crimson, superb flower.

LOIRE DE MARGOTTIN. Red, full, perfect form.

HN HOPPER. Rose-crimson, fine center.

BILEE. Clear dark red, fine variety.

JULES MARGOTTIN. Brilliant glossy pink, superb.

LOUIS VAN HOUTTE. Reddish scarlet.

MABEL MORRISON. Pure white.

MME. CHARLES WOOD. Crimson shaded purple.

MME. GABRIEL LUIZET. Beautiful satiny pink.

MAGNA CHARTA. Bright pink, suffused with carmine, grand variety.

MARCHIONESS OF LONDONDERRY. Pure ivory-white, very fine.

MARGARET DICKSON. Pure white, extra fine.

MARIA BAUMANN. Carmine.

MARSHALL P. WILDER. Cherry-rose, mingled with carmine.

MRS. JOHN LAING. Soft pink, beautiful flower.

MRS. R. G. SHARMAN CRAWFORD. Rosy pink, fine.

PAUL NEYRON. Dark rose, fine, extra large flower.

PAEONIA. Light red.

PRINCE CAMILLE DE ROHAN. Fiery red.

ULRICH BRUNNER. Red-cerise, very large.

WHITE BARONESS. White sport from B. Rothschild.

AMERICAN BEAUTY. Soleil d'Or.

Price, 50 cts. each, \$4.00 for 10.

Climbing Roses

BALTIMORE BELLE. White flowers in large clusters.

CRIMSON RAMBLER. This remarkable Rose originated in Japan. A gorous grower, making shoots from 8 to 10 feet high in a season. A sirable climbing variety, though it may also be grown in bush rm. Flowers hold their beautiful crimson colors a long time withouting, and give a most magnificent effect in contrast to the bright, glossy linge. Entirely hardy and the greatest acquisition among Roses for e last ten years.

2 to 3 feet 50 cents.

DOROTHY PERKINS. Flowers large for this class, borne in clusters of from 10 to 30; very double; color clear shell pink, does not fade and is very fragrant.

QUEEN OF THE PRAIRIE. Rosy red flowers.

YELLOW RAMBLER. A promising new yellow climber. Flowers clear yellow, borne in clusters. A strong, rapid grower.

PINK RAMBLER. Clear light-red flowers.

WHITE RAMBLER. Pure white.

3 to 4 feet 75 cents.

Moss Roses

This is a favorite class with everyone on account of the beautiful buds which for bouquets and cut flowers are in valuable. They require close pruning and high culture. They are all very hardy. The charm of the Moss Rose is the bud. Such kinds as the Common, Gracilis and Crested, with graceful buds, are especially recommended.

PERPETUAL PINK. Lovely, long tapering pink buds, elegantly mossed.

PRINCESSADELAIDE. Pale rose, of medium size and good form. Do not prune this variety severely.

SALET. Light rose, large, full, pretty in bud.

WHITE BATH. White, sometimes tinged with flesh; attractive in bud and open flower. The best white Rose.

Price including all kinds: Extra strong plants 50 cts. each; \$4.00 per 10; from pots, 75 cts. each; \$6.00 per 10.

HARDY CLIMBING VINES. We have a big list of varieties. Ask for price.

BEGONIAS. *Tuberous Rooted.*

These are among our finest bedding plants.

The flowers are marvels of beauty—delicate yet brilliant, of beautiful form and very large, often measuring, when conditions are favorable, over four inches in diameter. In color they are extremely varied, ranging from pure white through many shades of pink and rose to scarlet and deep crimson, and from pale yellow to deep orange. The foliage is remarkably clean and healthy, varying in form, deep green, presenting a very pleasing contrast with the bright flowers. For best results, tubers should be started early in the house and planted out only when danger of frost is past. They will come into flower very soon and bloom profusely and continuously until frost. The tubers can then be taken up and stored in dry sand in a moderately warm place.

SINGLE VARIETIES. White, Pink or Rose, Red and Yellow. Each, 5c. Doz. 50c. Postpaid.

DOUBLE VARIETIES. Same colors. Each, 12c.; 4 for 45c. Doz. \$1.25 Postpaid.

CANNAS.

Strong dormant roots. Each 10c., 3 for 25c., doz. \$1.00. Postpaid; by express, doz. 90c.

A. BOUVIER. Brilliant crimson, of deeper hue when fully expanded; foliage bright green; 6 feet.

ALSACE. Delicate sulphur yellow, changing soon to creamy-white; the nearest approach to pure white; foliage green; 4½ feet.

AUSTRIA. A fine variety of the orchid-flowered or Italian type. Canary-yellow; foliage green, large and handsome; 5½ feet.

CHAS. HENDERSON. Deep but brilliant crimson; foliage broad, rich deep green with narrow margin of bronze; 4 feet.

FLORENCE VAUGHAN. Yellow, spotted with red; foliage green; a popular variety; 4 feet.

FAIR PERSIAN. Tinted creamy white, spotted rose; foliage green; 4 feet.

GRAND ROUGE. A gigantic dark-leaved variety, often attaining a height of over 8 feet. Very desirable for massing. It also bears freely bright scarlet flowers of fair size which adds to its value.

ITALIA. A beautiful large orchid-like flower, brilliant red in center with wide irregular margin of yellow; foliage green; 5 ft.

MADEIRA VINE. *Climbing Mignonette.*

A rapid growing climber with beautiful thick glossy wax-like leaves. The flowers are white, borne profusely in graceful feathery racemes and have a fragrance somewhat resembling Mignonette. The rapid growth and beauty of the vine, its freedom from insects, combined with the beauty and fragrance of the flowers have made this deservedly a favorite. Of the easiest culture. Plant when ground becomes warm and give some support, either trellis or strings.

Each 5c., doz. 50c. postpaid.

Strawberry Plants. **CHOICEST VARIETIES.**



CALADIUM ESCULENTUM. *Elephant's Ear*

A very large-leaved tropical plant of rapid growth. In warm, rich, moist soil a single bulb will send up from three to ten stalks four to five feet in height, each having a leaf three to four feet long and nearly as wide. Very ornamental, planted either singly or in groups.

Mammoth Bulbs. Each 25c., 3 for 65c., doz. \$2.40.

Large Bulbs. Each 15c., 3 for 40c., doz. 1.40.

Second Size Bulbs. Each 10c., 3 for 25c., doz. .90.

If desired by mail add for postage 15c., 10c., and 7c. each according to size.

TUBE ROSE.

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

EXCELSIOR DWARF PEARL. This is an improved strain, plant is of dwarfer habit, blooms earlier and flowers are more double than old strain. Our bulbs are sure to please.

EXTRA LARGE BULBS. Each, 4c., 3 for 10c., doz. 40c., 25 for 70c., postpaid. By express, 50 for \$1.00; \$1.75 per hundred.

MEDIUM SIZE. Each 3c., 4 for 10c., doz. 25c., 25 for 45c., postpaid; 100 by express \$1.35.

MADAME CROZY. A very popular variety; crimson-scarlet, bordered with golden-yellow; foliage bright green, broad and massive. Although of vigorous growth, the plant seldom exceeds four feet in height, and often commences to bloom when about a foot high.

MARTHA WASHINGTON. Pale pink, green foliage; 5 feet.

PAUL MARQUANT. Rich salmon shaded with rosy carmine; foliage dark green; a distinct and pleasing variety; 4 feet.

PEACHBLOW. Pinkish-white, changing to rose, with a distinct blotch of deeper shade at neck; foliage green; of dwarf habit.

PREMIER. Deep crimson-red with yellow border; foliage green. 2½ to 3 feet.

QUEEN CHARLOTTE. Bright orange-scarlet, widely edged with golden-yellow; a popular variety; 4 feet.

ROBUSTA. A tall variety with ornamental dark foliage; 7 to 8 feet.

SHENANDOAH. A splendid red or bronze leaved variety, beautifully veined and tinted. It bears fine large trusses of waxy-pink flowers and, unlike other dark leaved sorts, blooms early and abundantly.

Mixed. All varieties, doz. 85c., postpaid; by express, doz. 75c., 100 \$5.00.

CINNAMON VINE.

A beautiful hardy climber of extremely rapid growth exceeding in this respect the well known Madeira Vine. It grows the first season from 15 to 30 feet and when the root becomes large and fully established, grows to a much greater length. The leaves are green with somewhat the appearance of bronze and very attractive. The flowers are white, borne in clusters, are of no great beauty, but of a delightful cinnamon-like fragrance. The vine dies at the end of the season but the root is entirely hardy, living for years and increasing in size and vigor each season. Strong 2-year old roots. Each 10c., 3 for 25c., doz. 90c., postpaid.

The plants we offer are of our own growing, are always dug after order is received and carefully packed, insuring delivery to customer in best condition possible. Their condition will be found greatly superior generally to those received from the West or South, the latter being sold so cheaply that the necessary care in preparing them for shipping cannot be afforded. The probably different conditions should be considered when comparing prices. We offer only a few—but the best varieties, and see no reason for offering others inferior in various respects. Varieties marked (p) have imperfect flowers and require to be grown with them some one of the others, one row in five of the latter being sufficient.

Glen Mary

P—Haverland

Hero

Meade

Marshall

New Home

Nick Ohmer

North Shore

Parsons Beauty

P—Sample

Senator Dunlap

Abington

Almo

Bismarck

Brandywine

Boston Prize

Chesapeake

Cardinal

P—Clyde

Climax

Excelsior

Price per Dozen postpaid 50 cents.

Price per 1000 by Express \$7.50.

Price per 100 by Express \$1.00

Special price on large lots.

GENERAL LIST OF Vegetable Seeds

SEEDS BY MAIL. All seeds by the Packet, Ounce and Quarter-Pound, are sent postpaid at prices quoted, but all seeds sold by weight above a quarter-pound, where postpaid price is not given, require an additional remittance for postage at the rate of 8 cents per pound, and those sold by measure—Beans, Peas and Corn where postpaid price is not stated require additional amounts as follows: Beans and Peas, quart 15c., pint 8c., Half Pint, 4 cents. Corn—Quart 10c., Pint 5c., Half Pint 3c. Failure of customers to remit such required amounts will necessitate our sending seeds at our option, either by express at customer's expense, or by mail only such quantity as covered by the remittance less the cost of postage.

SEEDS BY EXPRESS OR FREIGHT. It should be understood that when seeds, are sent by express or freight, carriage charges are to be borne by the purchaser.

SEEDS AT OUR STORE. Where we have omitted to say in connection with prices "at store or counter" prices are always the same as by express or freight and in case cloth bags are required and prices quoted include bags they are subject to an allowance for bags if customer brings his own as per prices given in the following.

BAGS FOR SHIPPING SEEDS. Where after prices no statement is made "Bags or sacks included" it is required that the customer shall remit additional amounts as follows for cost of bags. For 2 bushel cotton seamless 20c. For 2 bushel strong heavy burlap, 10c. For 1 bushel and smaller cotton or extra burlap, 10c.

FULL CREDIT WILL BE ALLOWED FOR ALL BAGS FOR WHICH PAYMENT HAS BEEN REQUIRED IF RETURNED IN GOOD CONDITION AND NO FURTHER USE HAS BEEN MADE OF THEM, PROVIDING ALL EXPRESS OR FREIGHT CHARGES HAVE BEEN PREPAID.

Special Offer to Purchasers of Seeds in Packets.

PURCHASERS OF SEEDS IN PACKETS ONLY, MAY SELECT ADDITIONAL SEEDS IN PACKETS, as follows:

For 50 cents, seeds in packets may be selected amounting to 65 cents.
For \$1.00 " " " " \$1.35
For \$2.00 " " " " \$3.00

DO NOT ORDER SEEDS IN BULK EXCEPTING THIS OFFER WILL APPLY.

ASPARAGUS

CULTURE. Asparagus plants or roots can be grown from seed in any good ordinary soil if well enriched, and thoroughly prepared by plowing or spading, they however succeed best in deep sandy loam. Seed may be sown in the spring, as soon as the ground can be worked, in drills fifteen inches apart and two inches deep. As the shell of seeds is very hard and germination somewhat slow it is thought advisable to cover seeds with hot (not boiling) water and leave to soak until cool and to repeat this once or twice when they should at once be sown. Owing to the slow germination of seeds and slow growth of young plants great care should be taken that the latter are not choked with weeds, and aside from this danger the growth of these or of any young plants is greatly assisted by frequent shallow cultivation. It is generally advised by writers that plants should be thinned to two or three inches but we do not do this unless by accident the drill has sown more seed than we intended nor do we think it is now customary with large growers. One ounce of seed will sow about 60 feet of drill and produce from 200 to 300 plants.

CONOVER'S COLOSSAL. An old standard variety yet largely planted. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 68c., postpaid; by express, lb. 60c.

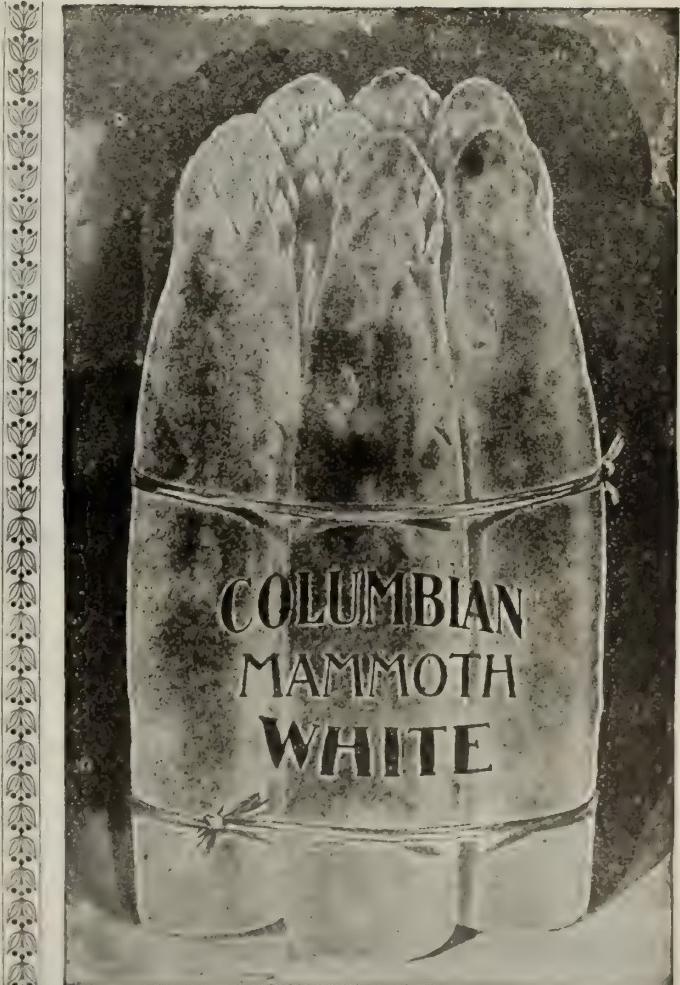
COLUMBIAN MAMMOTH. A distinct and valuable variety. Stalks are very large and clear white until three or four inches high. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 83c., postpaid; by express lb. 75c.

PALMETTO. Claimed by the introducers to be much earlier and a better yielder than the Colossal and considered by many growers to be less affected by blight. Prices the same as for Columbian Mammoth.

ASPARAGUS ROOTS.

Uniform prices on the three varieties. Strong two year old roots, by mail postpaid 50 for 60c.; by express or freight 100, 75c., 1000, \$5.50.

CULTURE. As a crop can be secured one or two years sooner by setting roots than by sowing seed but few prefer the latter. Asparagus roots are deep and rank feeders therefore the bed should be plowed or spaded deeper than for most other crops and heavily enriched, preferably with both stable manure and commercial fertilizer. For field culture, roots should be set in rows five feet apart and eighteen inches apart in the row; in the garden they may be set closer but not nearer than one foot in the row. Furrows should be made eight inches deep; if the roots are well spread the crown will then be about six inches below the level but should be covered with but one inch of soil, and as the plant grows the furrows be gradually filled, the object being to have the crown deep enough to permit cultivation over it without injury to it which cannot be done at time of planting as were the furrow then filled many of the weak shoots would be smothered. The plants should have thorough and frequent cultivation and yearly heavy applications of manure or fertilizer. The third year from setting two or three cuttings may be made, after that all that are possible until the time for early peas. Before the seeds ripen the plants should be cut and removed or burned.



BEANS

CULTURE. All Beans succeed best in warm light soil of at least average fertility. There was never a greater fallacy than that any variety would thrive in sand or poor soil with little or no fertilizer. But few plants are more sensitive to cold and wet, therefore seed should not be planted until the ground is warm and dry. Though market-gardeners often run considerable risk by planting earlier with the hope of securing a crop which would bring high prices it seems hardly advisable for the home garden to incur this risk. We do not consider it safe to plant in this section much if any before the middle of May and if done and followed by especially wet or cold weather the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills from two and one half to three feet and leave plants from four to six inches apart according to habit of growth of the variety. Give frequent but shallow cultivation until time of blossoming. Deep cultivation should be before not after planting. A succession of snap or string beans may be had by two or three plantings allowing two weeks to intervene.

DWARF OR BUSH. GREEN PODDED VARIETIES.

EARLY RED VALENTINE. Vine upright in growth holding pods well up from the ground; uniform in height, hardy, vigorous and productive. Pods round, creased in back, of medium size, thick, solid, tender and of finest flavor, seed of medium size, dull pink marbled with red. Remarkably uniform in ripening; an excellent variety for either home or market garden. Postpaid $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 70c., pk. \$1.25, bush \$4.50.

MAMMOTH GREEN POD. STRINGLESS. Vine vigorous, slightly inclined to run, extremely productive. Pods very long, thick, approaching round, meaty, stringless and of fair quality. Ready for market before the Valentine. On account of its earliness and great productiveness a popular market variety. Seed yellowish brown. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 75c., pk. \$1.40, bush. \$5.00.

LONG YELLOW SIX WEEKS. Vine large, of erect and branching habit, very hardy and productive. Pods long, flat, as string beans of only medium quality. Seed long, yellow. An old variety, on account of its hardness popular for first planting and has been considerably used for shelling on account of its earliness. Prices same as quoted for Valentine.

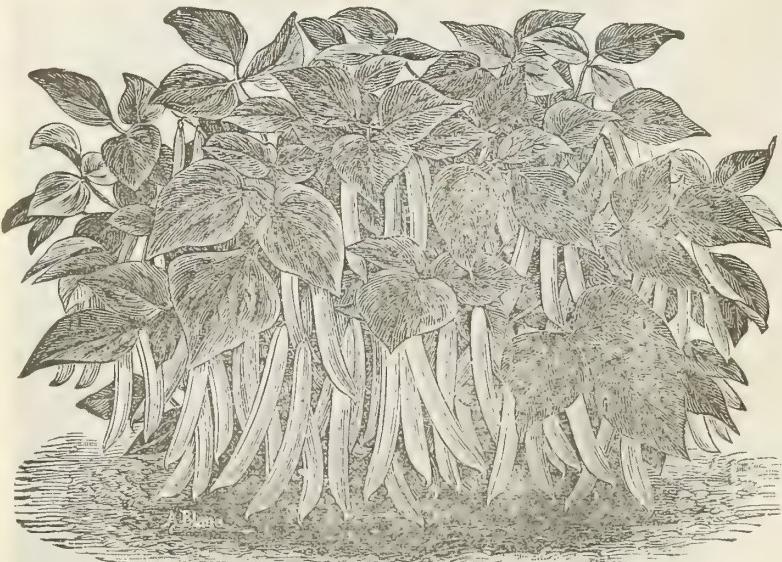
LOW'S CHAMPION. Vine upright and of rank vigorous growth less liable to mildew or blight than others, very productive. Pods large, broad, borne well above the ground; of only fair quality as snap or string bean, but when shelled green the large bright red beans are not surpassed in quality by those of any other variety. Prices same as quoted for Dwarf Horticultural.

DWARF HORTICULTURAL. The most popular variety for shelling green throughout New England. Vine straggling in growth sometimes throwing out tendrils or runners, vigorous, but more liable to blight than some. In favorable seasons productive. Pods thick, broad, flat, of medium length, yellowish green, splashed with red at stage of fitness for green shelled beans and are then very attractive. Beans oval, large, of excellent quality, light yellowish brown heavily splashed with carmine. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 80c., pk. \$1.50, bush. \$5.50.

GODDARD OR BOSTON FAVORITE. Vine very large of vigorous branching habit, much inclined to run, more productive and not as liable to blight as Dwarf Horticultural. Pods long, larger than those of any other dwarf bean, yellowish green splashed with crimson, bears long, large, similar in color to all Horticultural varieties. Larger than preceding varieties. Prices same as quoted for Valentine.

IMPROVED GODDARD. Has all the desirable qualities of the preceding with but little tendency to throw out runners. It is also a little earlier and pods are slightly brighter colored. The strain is by far the purest we have ever seen being entirely free from the small slender podded variety found in nearly every strain of Goddard. Owing to the rank, branching and larger growth of vine plants should not stand nearer than eight inches in the row for best results. Prices same as for Dwarf Horticultural.

DWARF WAX OR BUTTER BEANS.



Golden Eyed Wax.

GOLDEN WAX—ORIGINAL STRAIN. Vine erect, slightly above medium size, early and very productive, of vigorous growth but somewhat inclined to blight in unfavorable seasons. Pods golden yellow, long, flat, nearly straight, with short green points, wax like, attractive and of fine quality; when not affected with rust superior to any other strain of Golden Wax. Seed of medium size, oval, ground white covered more or less with two shades of deep red or crimson. Varying in shade and amount of color, caused by conditions of soil and ripening. Prices same as of Black Wax.

CURRIE'S RUST PROOF BLACK WAX. Vine extremely hardy and vigorous, distinct in habit especially in first stages of growth, early and productive. Pods long, flat, yellow, attractive and of excellent quality. Though in extremely unfavorable seasons somewhat affected by rust, years of observation have convinced us that no other variety equal in quality is more nearly rust proof than this while this is superior in quality to many which may equal this in its blight resisting character. Seed, deep purplish brown approaching black, larger than Black Wax. Prices same as of Black Wax.

DAVIS WHITE WAX. Vine of vigorous habit fairly productive, not especially subject to blight or rust. Pods longer than those of most other varieties, always straight, flat, white, wax-like and attractive. Not surpassed in latter respect by those of any other sort, a feature which undoubtedly has largely been the cause of its great popularity with market men. If picked while

GOLDEN EYED WAX. Vine large, with large coarse leaves, upright in growth, remarkably hardy, vigorous and productive. Pods of good length straight, flat, golden yellow, very attractive but somewhat inferior in texture. Seed white blotched with yellow about the eye. The handsome pods and great hardness of the vine have made this a popular market variety and it is used to a considerable extent for the home garden, some preferring to plant a part of their ground with this variety which is only in especially unfavorable seasons affected with blight or rust, rather than all with some variety of which though pods are of better quality the vine lacks the hardness of this. Unless a variety should be introduced considerably different from any yet known, it may be accepted as a fact, that hardness of vine is always attained at a sacrifice of texture and quality of pods, varying however in degree in different varieties. Postpaid $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 75c., pk. \$1.40, bush. \$5.00.

DETROIT WAX. Vine erect, hardy, productive. Pods of medium length, straight, broad, flat, light yellow, of medium quality. A desirable sort on account of its hardness and productiveness. Seed white with brown or black markings about the eye varying in amount and shade as do all parti-colored beans, larger than most wax varieties making beans of greater value for baking. Prices same as of Golden Eyed Wax.

DWARF BLACK WAX—PROLIFIC STRAIN. Vine of medium size, holding pods well up from the ground, more vigorous, hardy and prolific than old strain. Pods of medium size, round, curved, fleshy, creamy-white, quality the best, seed small, oblong jet black. Post paid $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 80c., pk. \$1.50, bush. \$5.50.

young the pods are tender and stringless but later are hardly equal in quality to those of some less hardy sorts. Seeds white, kidney-shaped, excellent for baking. Post paid, $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 85c., pk. \$1.60, bush. \$5.75.

WARDWELL'S KIDNEY WAX. Vine of strong vigorous growth, somewhat tender constitution, in favorable seasons remarkably productive. Pods large, long, nearly straight, broad, flat, meaty and of fine quality. They are also very attractive with their light waxy color and symmetrical form. Seed large, kidney-shaped, white with purplish brown markings along the eye. A popular market variety commanding the highest price and especially valuable for the home garden. Post paid $\frac{1}{2}$ pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 50c., $\frac{1}{2}$ pk. 90c., pk. \$1.65, bush. \$6.00.

ROUND POD KIDNEY WAX. A very desirable new variety, a selection from the Wardwell Kidney Wax. Plant of dwarf, spreading but vigorous growth and very productive. The pods are exceptionally attractive, white and wax-like; long, round, nearly straight and uniformly perfect in shape. They are also of the finest quality, stringless, meaty and brittle. Seed long, cylindrical smaller than Wardwell's Kidney Wax, somewhat similar in markings but with less color about the eye. One of the best round podded wax beans destined to be largely planted in home gardens when its quality and productiveness become known. Prices same as of Wardwell's Kidney Wax.

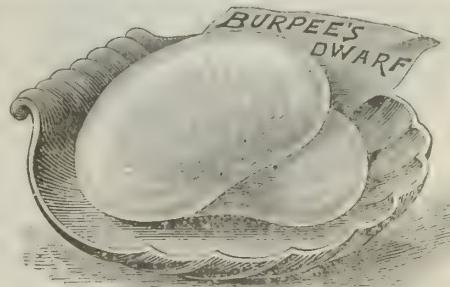
BEANS DWARF LIMA

Lima beans are more tender than others and should not be planted until settled warm weather, in this latitude, not before the twentieth of May, generally the twenty-fifth would be better and in especially backward seasons peculiar to New England probably as good results would be obtained and perhaps better by deferring planting until the first of June. They require warm land and it is useless to plant them on any other. Plants of this dwarf class should not stand nearer than one foot in the row and rows should be three or three and one-half feet apart for best results.

HENDERSON'S RUSH LIMA. A bush form of the Early Sieva Lima, early and productive, seed small, flat, white. Post paid $\frac{1}{2}$ pt. 14c., pt. 26c., qt. 45c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., $\frac{1}{2}$ pk. \$1.00; pk. \$1.75.

BURPEE'S BUSH LIMA. Vine of stout, erect growth but branching freely, if given sufficient space forms a bush two or more feet in diameter. Grows uniformly dwarf. Very productive. Pods and beans nearly as large as the Large Pole Lima. The most popular variety of this class. Prices same as of Henderson's Bush Lima.

DREER'S BUSH LIMA. A bush form of Dreer's Improved Lima, which is considered by some the best of the pole varieties. Plant uniformly dwarf. Pods and beans identical in shape and size with Dreer's Pole Lima. Prices same as of Henderson's Bush Lima.



BEANS. Pole or Running.

CULTURE. Pole Beans are more sensitive to wet and extremes of temperature than the dwarf varieties; and should not be planted much, if any, before the Lima. Poles should be set in rows about four feet apart, preferably running north and south, allowing about three feet between the poles in the row. The safer way is to plant six or eight beans around each pole and thin to three or four plants. Beans should be about two inches below the surface and are more generally pressed into the soil eye down, instead of dropped and covered, as they come up a little sooner planted in this way. Like the dwarf beans they require frequent shallow cultivation.

KENTUCKY WONDER OR OLD HOMESTEAD. Vine vigorous, early and very productive, pods are borne in large clusters, are of unusual length sometimes nine or ten inches long, nearly round, silvery green; when young, crisp, entirely stringless and of fine texture. Used only as a string bean. Seed long, oval, dun colored. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 26c., qt. 45c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

EARLY GOLDEN CLUSTER WAX. Vine large, vigorous and hardy. Pods long, borne in clusters of three to six varying in color from creamy-white to golden yellow, broad, thick and fleshy, deeply creased; of the finest quality and remain in good condition for a long time. Seed thick, flattened, oval, dull white. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 26c., qt. 45c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.85.

INDIAN CHIEF OR POLE BLACK WAX. Vine large with rough leaves, strong, vigorous and productive. Pods short, broad, flat, fleshy, creamy-white, of average quality and like the Golden Cluster remain in good condition for a long time. Seed large, round, black. Prices same as of Golden Cluster.

DUTCH CASE KNIFE. An old variety, a favorite with those who prefer only white shell beans. Vine of medium vigor but climbs well and very productive. Pods very long, flat, irregular. Beans broad, kidney-shaped, flat, clear white of excellent quality either green or dry. Prices same as of Pole Horticultural.

LONDON HORTICULTURAL OR SPECKLED CRANBERRY. An old standard variety especially popular in New England as a shell bean both for market and the home garden. Vine of medium vigor and earliness and of average productiveness. Pods short, broad, yellowish green streaked with bright red. Beans identical in appearance with Dwarf Horticultural, about equal in size, slightly more nearly round, of the best quality either green or dry. Postpaid, $\frac{1}{2}$ pt. 10c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 80c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.50.

WORCESTER MAMMOTH POLE HORTICULTURAL. This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The beans though closely resembling those of the common strain are so much larger that, if that were the only point of excellence it would be alone sufficient to recommend it for general use, but the giant pods, more highly colored than those of any other strain of the Horticultural type, greatly increase its desirability as a market variety while its high quality and mammoth beans make it equally desirable for the home garden. Additional features of merit are those of vigorous growth of vine and great productiveness. With the exception of size, beans when dry are similar in appearance to London Horticultural. Crop nearly failure. Postpaid, $\frac{1}{2}$ pt. 19c., pt. 33c., qt. 60c.; by express or freight, $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 45c., 2 qts. 80c., $\frac{1}{2}$ pk. \$1.50, pk. \$2.75.

GOLDEN CARMINE POLE HORTICULTURAL. This new bean, a strain of the Worcester Mammoth Horticultural, producing pods and beans equal in size has the additional merits of being an excellent snap or string bean, stringless, tender and fine flavored and as a green shell bean of being from a week to ten days earlier. Vine similar to Worcester Mammoth Horticultural but leaves are slightly larger and are yellowish green. Pods when suitable for string beans are light waxy yellow, when ready for shelling, golden yellow splashed with bright carmine, at both stages very attractive. The shelled beans are equal in quality to Worcester Mammoth Horticultural and vine is equally productive. Though the brilliant crimson markings covering a larger portion of the pod are thought by some to make those of the older strain the more attractive, the earliness of this is certainly a desirable feature, and one which doubtless will lead many market gardeners to make a part of their planting of this strain, while the possibility of securing both string and shell beans from one planting will induce some who plant for their own use only to plant this in preference to the older strain. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 28c., qt. 50c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling scarlet flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities but rarely grown for that purpose Postpaid, pkt. 5c., $\frac{1}{2}$ pt. 14c., pt. 28c., qt. 50c.; by express or freight, pkt. 5c., $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 35c.

LIMA BEANS. Pole or Running.

SEIBERT'S EARLY LIMA.

An early and productive variety. Pods short, very thin, and more easily opened than those of other flat podded Limas; though containing but three or four beans they are so abundantly produced and beans being of largest size the yield of beans when shelled fully equals that of other varieties of this class. Postpaid, $\frac{1}{2}$ pt. 14c., pt. 26c., qt. 45c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

LARGE WHITE LIMA.

Vine tall, and slender but vigorous and productive, a little later in maturing crop than others. Pods long, broad, thin, bean in clusters. Beans large, white with green tinge which they retain when dry, a feature thought by some to indicate a greater degree of richness and succulence and the variety is therefore a favorite with them. Price same as of Seibert's Lima.

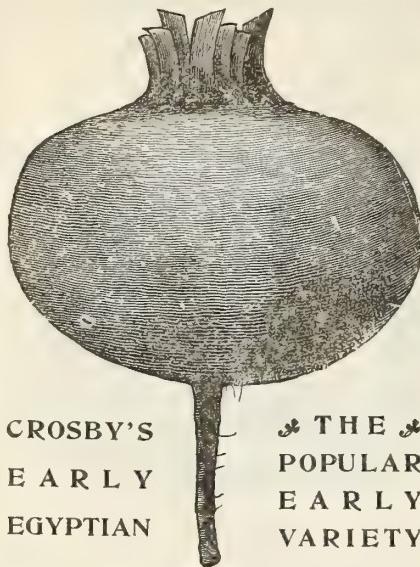
KING OF THE GARDEN LIMA

Vine large, vigorous and productive, bearing a little earlier than the old Large White Lima especially if two vines are left to the pole. Pods of the largest size containing four or five immense beans of the quality and flavor peculiar to all Lima Beans. Prices same as of Seibert's Lima.

CHALLENGER OR DREER'S IMPROVED LIMA.

Vine remarkably stout and vigorous, medium early and productive. Both pods and beans are of distinct form being much thicker than others. The pods are borne in clusters, are easily opened, generally contain four beans which though neither as long nor broad as those of flat podded Limas are actually as large because of their thickness. Beans are of the usual Lima flavor, and slightly more mealy than the thinner sorts. The variety is a decided favorite in some localities and should be more generally grown. Prices same as of Seibert's Lima.

EXACT SIZE GOLDEN CARMINE



BASTIAN'S EARLY. A very quick-growing sort, of superior flavor, very tender and sweet, tops of medium size, leaves green, stem pink, roots red, flesh purplish-pink zoned with white; *Prices same as of Egyptian.*

EARLY ECLIPSE. One of the earliest globe-shaped varieties, with rather small tops and small tap root, blood-red; of excellent quality. *Prices same as of Egyptian.*

ARLINGTON FAVORITE. An excellent variety of globular form and deep color, especially desirable to follow the first earlies. *Prices same as of Egyptian.*

DETROIT DARK RED. Rapidly becoming one of the most popular main crop varieties. Roots globular sometimes inclined to ovoid, skin dark blood-red, flesh bright red zoned with a dark shade; of the finest quality. Tops small and upright, leaf green with dark red stems and veins. The stock which we offer of this variety is greatly superior to much that is offered and while it is entirely possible that others may have as good, repeated trials have shown that but few others compare with it in purity. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 20c., lb. 68c. post paid; by express or freight, lb. 60c.

CRIMSON GLOBE. Roots perfectly globular, one of the earliest of this shape, flesh dark; skin a shade lighter, seldom grows over large and is a favorite with some for late as well as early planting. *Prices same as of Detroit Dark Red.*

EDMAND'S EARLY BLOOD TURNIP. Used largely for main crop. Roots somewhat more inclined to globular than the old strain of Blood Turnip, skin dark red, flesh purplish, zoned with lighter shade; tender and sweet and an excellent keeper. *Prices same as of Egyptian.*

DEWING'S IMPROVED BLOOD TURNIP. This has been more largely used for main and winter crop than any other. It is being to some extent displaced by newer varieties but is yet extensively planted and is an excellent sort. *Prices same as of Egyptian.*

SWISS CHARD. Used for greens only, at first entire, later the leaf stalks are sometimes used separately, cooked like Asparagus. *Prices same as of Egyptian.*

Sugar Beet and Mangel Wurzels.

These are used for stock-feeding only. Seed should be sown in rows two feet apart and plants thinned to stand from ten to fifteen inches apart in the row according to size of variety. Seed of the Mangel Wurzel Beet seldom germinates as well as that of the table varieties and therefore should be sown more thickly, six to eight pounds to the acre. *All Varieties at uniform prices.* Oz. 10c., $\frac{1}{2}$ lb. 15c., $\frac{1}{2}$ lb. 24c., lb. 43c., postpaid; by express or freight, $\frac{1}{2}$ lb. 20c., lb. 35c., 5 lbs. or over per lb. 30c.

LANE'S SUGAR BEET. A standard variety for stock-feeding.

GOLDEN TANKARD. Top and neck very small; root ovoid, large; flesh yellow, zoned with white; an excellent sort.

Brussels Sprouts.

A very hardy plant of the Cabbage family, growing from two to three feet high, producing at the axils of the leaves the whole length of the stem small heads about two inches in diameter, resembling a cabbage and considered by some to be of finer flavor. **BEST IMPORTED.** Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 ozs. 25c., $\frac{1}{2}$ lb. 40c.

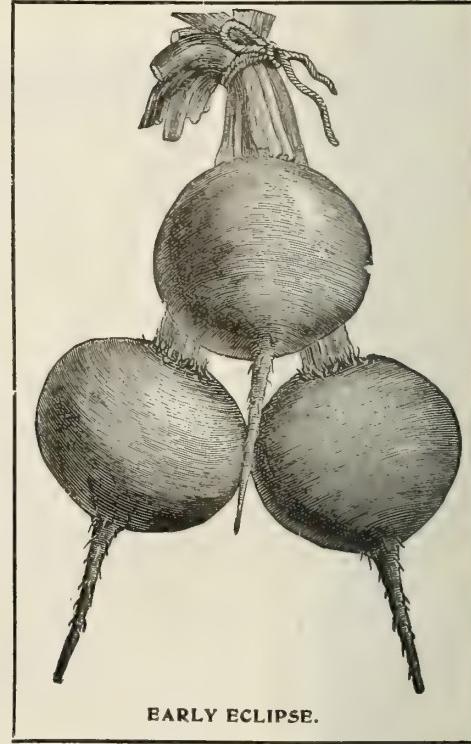
BEET

CULTURE. The beet thrives best in deep, rich but rather light loam. Sow in drills fifteen inches apart and one inch deep. Make the soil firm over the seed with back of hoe, if dry by treading or rolling. For early use sow as soon as ground can be worked; for fall use, in May; for winter, the last of June. Thin plants to four or five inches apart. One ounce will sow about fifty feet of drill.

EARLY EGYPTIAN. One of the earliest, roots flat; deep crimson, tops small, permitting it to be planted closer than other varieties, especially desirable for forcing as well as for first open ground planting. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 20c., lb. 58c., postpaid; by express or freight, lb. 50c.

CROSBY'S EARLY EGYPTIAN. The most popular early variety for market and is now being used by some gardeners for last sowing, will produce roots of good size in usual season if seed is sown the middle of July. The roots are much thicker than the Egyptian inclining to spherical and have a very small tap root. Of rich dark color, and good quality. Tops small and mainly dark colored. Pkt. 5c., ozs. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 73c., by express or freight, lb. 65c.

CROSBY'S EARLY EGYPTIAN. Extra Selected Strain. From roots of our own growing and selection. We have given this strain much attention and have succeeded in eliminating to a considerable extent the light colored, coarse fleshed specimens peculiar to the Egyptian. Pkt. 5c., oz. 12c., 2 ozs. 20c., $\frac{1}{2}$ lb. 30c., lb. \$1.08, postpaid; by express or freight, lb. \$1.00.



MAMMOTH LONG RED MANGEL. A variety of mammoth size; skin light red, flesh white and rose. Grows well out of ground; extensively used.

NORBITON GIANT LONG RED. Similar to the preceding; has smaller top and neck; flesh scarlet.

ORANGE GLOBE. One of the best, top small, root medium sized, skin deep orange yellow, flesh white. Grows almost entirely out of the ground; good for shallow ground; easy to harvest.

ALL VARIETIES AT UNIFORM PRICES. Oz. 10c., $\frac{1}{2}$ lb. 15c., $\frac{1}{2}$ lb. 24c., lb. 43c., postpaid; by express or freight, $\frac{1}{2}$ lb. 20c., lb. 35c., 5 lbs. or over 30c. per lb.



Early Winningstadt.

Surehead. Remarkable for its certainty to head and for uniformity. Heads large, of the Flat Dutch type with few outer leaves; are sweet flavored and keep well. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Warren Stone Mason. An improvement on the Stone Mason which for years was one of the most popular varieties in New England. This is earlier, more nearly round and more solid; one of the very best for winter use. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Autumn King, or World Beater. One of the largest hard-heading varieties, with few outer leaves, allowing it to be planted closer than others of its size. These leaves are peculiarly crimped, marking it as a distinct variety. An excellent keeper. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 70c., lb. \$2.50.

Marblehead Mammoth. A late variety, the largest of all cabbages; heads have been grown weighing sixty pounds. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Danish Ballhead. One of the most popular late cabbages ever introduced. Heads are of medium size, round and remarkably solid and heavy, averaging one-fourth heavier than most varieties, and are the best of keepers. The stumps, like those of many foreign varieties, are longer than those of our native sorts, though some improvement has been made in late years. Seed should be sown about two weeks earlier than of native varieties. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 70c., lb. \$2.50.

Luxembourg or Hard Heading. We think this is not grown as largely as it should be as but few varieties, if any, equal it for late spring keeping, differing from all others in coming out as green as when first buried it is especially attractive. This also should be planted earlier and manured more liberally than our native sorts. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 70c., lb. \$2.50.

Mammoth Rock Red. Now the standard red cabbage, a great improvement on the small Red Dutch. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 70c., lb. \$2.50.

ALL PRICES ON THIS PAGE ARE POSTPAID. IF BY EXPRESS OR AT COUNTER IN QUANTITIES OF ONE POUND OR MORE DEDUCT AT THE RATE OF 8 CENTS PER POUND FROM PRICE QUOTED.

CABBAGE



Early Jersey Wakefield. The standard early variety. Heads conical, very compact and solid. Can be set closer than most varieties. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 70c., lb. \$2.50.

Charleston Early Wakefield. A selection of the Jersey Wakefield, a few days later but much larger. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 30c., 2 oz. 50c., $\frac{1}{2}$ lb. 85c., lb. \$3.00.

Henderson's Early Summer. An early large heading sort. Heads flat, sometimes slightly conical with large outer leaves; very popular with market gardeners. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

All Seasons. A variety which for reliability in heading is not exceeded by any other, if indeed equaled. Its rapid growth and good size make it desirable for either early or late planting, and for the latter purpose it has become very popular. Heads are large and solid, round, flattened on the top, and when mature will remain longer in the field without bursting than most other varieties. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Early Winningstadt. Heads large, cone-shaped and solid; one of the best for all soils. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 45c., lb. \$1.75.

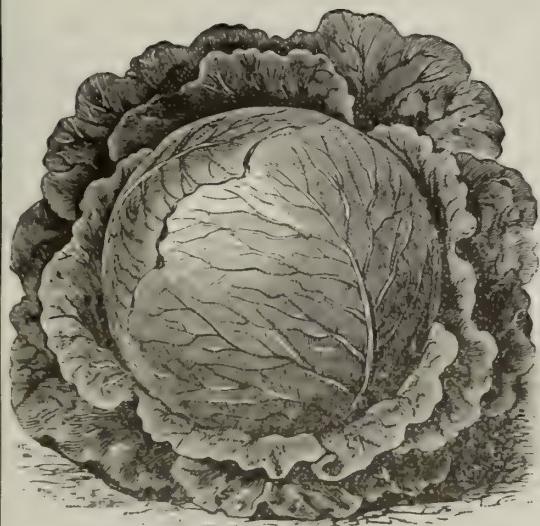
Henderson's Succession. Very similar to All Seasons but earlier. A sure header and good keeper. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Fottler's Brunswick. One of the earliest large Drumhead varieties. It has been in New England one of the most popular cabbages grown, both as a second early and for late planting. Is a fair keeper and of excellent quality. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

Premium Flat Dutch. An old well-known variety, yet very popular. Heads flat, large and solid. Very reliable in heading. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

American Improved Savoy. An improvement on the Green Globe Savoy; very reliable for heading. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.00.

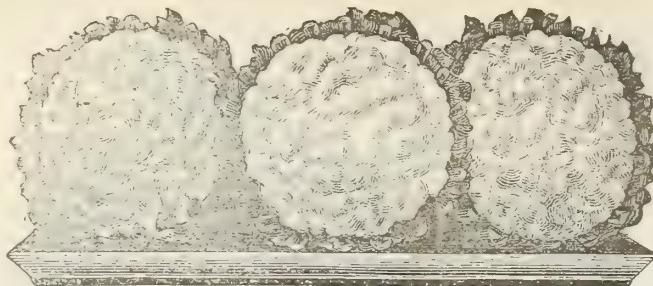
The Volga. A new late variety. See novelty pages for description and prices.



Danish Ballhead.



Fottler's Brunswick.



CAULIFLOWER.

EARLY SNOWBALL. The earliest variety and the surest to head. It is probably more largely grown than all other varieties combined not only for early use but late as well, and has to a great extent displaced all of the once popular late sorts. Owing to its compact habit and few narrow and upright leaves it is the most

desirable for forcing, and, for the same reason, can be set much closer in the field than others.

We offer a strain proved by years of trial to be unsurpassed in earliness, reliability in heading, or purity. Pkt. 20c.; $\frac{1}{4}$ oz. 65c.
 $\frac{1}{2}$ oz. \$1.25; oz. \$2.25.

EARLY LONDON. A well known variety maturing its heads soon after the extra early sorts. Pkt. 5c.; $\frac{1}{2}$ oz. 25c.; oz. 40c.;
 $\frac{2}{3}$ oz. 75c.; $\frac{1}{4}$ lb. \$1.25.

LARGE ALGIERS. A late sort and one of the surest to head of this class. Plant, large but of upright growth, the leaves affording protection to the head so that they are seldom injured by frosts that would ruin other varieties. Pkt. 10c.; $\frac{1}{2}$ oz. 40c.; oz. 75c.

CARROT.

EARLY SCARLET HORN. A popular early variety, grown only for table use. The roots are about three inches long and about an inch and a half in diameter at top, tapering slightly and terminating abruptly like the larger stump-rooted varieties. They make an attractive bunch, are of excellent quality and have small tops. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{4}$ lb. 25c.; lb. 90c.

CHANTELAY. This is an excellent variety for bunching. The roots are five inches long, three inches in diameter at the top, tapering gradually, but uniformly stump-rooted. The flesh is tender and crisp, color deep orange. The tops are of medium size and necks small. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 90c.

OX HEART, or GUERANDE. Roots very thick, often over four inches in diameter at shoulder, tapering to not less than two inches at the stump root, and about five or six inches in length. The flesh is very fine-grained, free from core, tender and sweet. Color, bright orange. An excellent variety for either table use or for stock, and especially suited for hard, stiff soil, where longer growing varieties seldom thrive. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 85c.

DANVERS. The most popular variety. It is used for bunching for market early in the season and later for packing in boxes or crates. It is also extensively grown for stock although a greater weight per acre could be secured by using either the Rubicon or Long Orange. It can, however, be grown on both shallow and stiff hard soils where the latter would not thrive and being of more attractive form than the Rubicon is preferred by many who market a part of their crop and feed the balance. The roots are about two and one-half inches in diameter at the shoulder and five to six inches long, tapering gradually to a blunt point. Our strain is one which we have sold for a long time and is of rich, deep orange so much desired by all who grow carrots for market. It is also of remarkable uniformity and purity. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 85c.

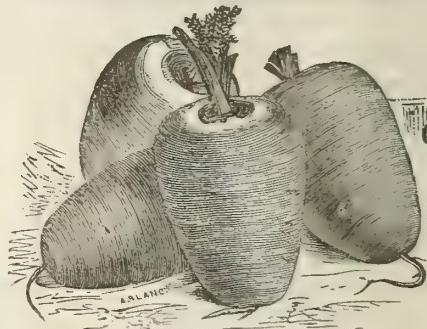
ST. VALERY. This is sometimes called the "Point-rooted Danvers;" it would, however, be better described as a variety intermediate between the Danvers and Long Orange. It is in type much like the latter, is longer than the Danvers, not as thick at the shoulder as the Intermediate, and a little longer. It is very attractive in form, of rich dark color, and of the finest quality. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 75c.

RUBICON. This is similar in form to the Ox Heart but thicker and longer. It is also earlier and larger than the Danvers and is in our opinion preferable to either that or the Long Orange for growing for stock as a greater weight could be grown on the same area than the former and at least an amount equal to the Long Orange. It will also succeed on shallow or hard soils like the Danvers where the Long Orange would not, and is much more easily harvested than the latter. It has less and finer leaves than the Danvers; has no neck, growing hollow-crowned, and is very uniform in growth, of good color and quality, but will probably never be a popular variety for market, lacking attractive form. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 75c.

INTERMEDIATE HALF LONG. A variety intermediate in size between the Danvers and Long Orange but more nearly the size of the former. It, however, more closely resembles the Long Orange in that the root is pointed. Of good color and excellent quality. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 75c.

LONG ORANGE. An old, well known, and popular variety succeeding on deep mellow soils. On such the roots are very handsome and present an attractive appearance when packed in boxes ready for market. The variety is not, however, largely used for this purpose as most markets prefer roots of the Danvers type. It is extensively grown for stock, probably sometimes where a variety of the Rubicon type would be better adapted. Roots of this improved strain are a little shorter and thicker than of the old but so uniform that the bulk of the crop would probably be greater. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 75c.

LARGE WHITE BELGIAN. The roots grow one-third out of ground. The portion above ground is green, that below white. Roots are large and flesh rather coarse. Used only for stock feeding. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{4}$ lb. 20c.; lb. 50c.



Ox Heart, or Guerande.

CELERY

One ounce will produce
from 3000 to 4000 plants



Culture. The seed of celery being of slow germination it requires about three months from sowing until the seedlings are at the right stage for setting in permanent situation, the time of sowing therefore depends upon whether the plants are desired for early or late planting. For early use seed may be sown either inside in shallow boxes or in a cold frame, in either case where there is but little heat. The seed being very fine care should be taken that it should be but slightly covered with soil which should always be kept moist, until the seed germinates, nearly wet and after never allowed to become dry. When about 2 inches high the seedlings should be transplanted into other frames from 2 to 3 inches apart to start a new growth of roots and to make them stocky. When 4 inches high they will be made more stocky if about an inch of the leaves are snipped off the plants. After being transplanted the plants should be set in permanent situation as soon as new roots have formed. Allowing them to remain in the frame too long will often cause them to run to seed. This however is more liable to occur with early plantings than with late.

Celery thrives best on moist, peaty soils but is often successfully grown on somewhat sandy soil artificially watered or irrigated. It is more often grown as a second crop than a main crop but in either case requires heavy enriching.

For early use, the plants may be set as early as the middle of June, for later, from that time until the first of August and if plants are strong and healthy and soil is especially adapted to celery or plants are forced by frequent fertilization and abundant watering good results are often secured when set as late as the middle of August. The result however depending considerably on the season. The old method of setting plants in a trench is now but little used, largely because of the self blanching habit of the variety most grown and as well because it has been found that level culture requires much less labor and answers as well. The plants are set at various distances apart, sometimes 6 and sometimes 12 inches apart in rows 2½ to 3 feet apart. Early self-blanching varieties and the late green varieties are often set in alternate rows; boards being used to blanch the early crop and when this is removed there being ample room for banking with earth the late. Another method is to set in beds 6 or 7 inches apart each way, using boards only for the outside, the dense growth of the closely set plants serving to blanch the rest. This method requires frequent applications of fertilizer, copious watering and intensive cultivation generally and while the product may quickly be sufficiently blanched as far as attractive appearance is concerned and is therefore a profitable method when grown for market in our opinion neither this nor any other method produces celery of as fine flavor and quality as banking with earth.

The early self-blanching varieties can often be blanched in two weeks if weather is warm. Later in the fall when colder it takes from three to four weeks, while the late green varieties require a much longer time, in fact these are seldom made fit for use in the garden or field, but are only partially blanched (almost always by banking with earth) in the field and the blanching completed in the cellar or pit where stored, the time required there depending on the temperature.

In storing for winter use the plants are packed closely together generally on earth and sometimes with earth about the roots and if desired to be kept as long as possible the temperature is kept just above the freezing point. Celery for storing should not be handled when wet nor should it be allowed to wilt.

It may be well to mention that to some extent seed is now being sown in the field where it is designed to have it grow, sometimes if sown early in alternate rows of early and late sorts and if a late variety in crops of radish, onion sets, spinach, etc., a space being left, when such crops were planted, for this purpose. This practice seems to be increasing.

Golden Self Blanching or Paris Golden. The most popular variety for market probably more largely grown than all others combined. Of vigorous growth, easily blanched and of excellent quality for one of this class. We offer only headquarters seed of proved quality. Pkt. 10c.; ½ oz. 20c.; oz. 35c.; 2 oz. 60c.; ¼ lb. \$1.10.

Rose Ribbed Paris. A very dwarf variety resembling somewhat the Golden Self Blanching. Though the plant is smaller the stalks are larger and are, especially those in the center, of a deeper, richer yellow. While the upper portions are beautifully tinged with pink. It is an especially attractive variety, easily blanched and is claimed by some to be superior in quality to the other self blanching sorts. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 2 oz. 40c.; ¼ lb. 75c.

White Plume. The earliest and most easily blanched of all varieties, requires little banking up to make it fit for market, belonging to the self-blanching class. A desirable variety for early fall use, but does not keep well, very showy and beautiful, but not more so than the Golden Self Blanching, and not equal to that in several other respects. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

Celeriac or Turnip Rooted Celery. Sow seed and treat in first stages of growth as directed for celery. Set in rows two feet apart and six inches apart in the row. As the roots only are used no banking is necessary. When roots have reached a size of two inches in diameter they are ready for use. These are boiled, sliced and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

Large Smooth Prague. An improved sort with nearly round roots which have but few side roots. Pkt. 5c.; oz. 15c.

Corn Salad, Fetticus or Lamb's Lettuce. A hardy rapid growing plant, often used in winter as a substitute for lettuce and is sometimes cooked and used like spinach. It does not thrive in hot weather and if sown in the spring it should be very early and on extremely rich soil. It will then be ready for use in four to six weeks. It, however, succeeds best when sown in August or September. If sown in the former, it will be ready for use in the late fall. If left in the ground during winter, it should, on the approach of cold weather, be protected with straw or litter. Pkt. 5c.; oz. 10c.; 2 oz. 15c.; ¼ lb. 25c.

Boston Market. An old variety of superior quality. At one time more largely grown than any other and is yet in some sections grown to some extent. Of low spreading habit dark green and glossy; forms a number of secondary heads instead of a single large one. Grown mainly for winter use. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

Giant Pascal. This is a green leaved variety, which was developed from the Golden Self-Blanching. It is much larger, a better keeper and of superior flavor. It grows about two feet high, has very broad and thick stalks which are stringless. It has a peculiarly sweet and nutty flavor, entirely free from any bitter taste. It blanches quickly after banking. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

Winter Queen. Of medium height but stout thick and heavy with a larger amount of heart than most other sorts. Of fine quality more easily handled than the Giant Pascal and an excellent keeper. One of the best for late winter use. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

Chervil Curled. A hardy annual, used for flavoring and garnishing, and deserving of more general use for the latter purpose. It is thought by some to exceed even parsley in beauty and its use at least would afford a pleasing variation. Seed should be sown early in the spring and when plants are well rooted they should be transplanted to one foot apart. The leaves will be ready for use in seven to ten weeks from planting. Pkt. 5c.; oz. 15c.; 2 oz. 25c.; ¼ lb. 40c.

Cress, Curled, or Pepper Grass. A small, pungent salad plant, much liked by some with lettuce. Like all salad plants it should be grown on rich ground. Seed may be sown early in the spring but if despatched through the summer repeated sowings will be necessary. Pkt. 5c.; oz. 10c.; 2 oz. 15c.; ¼ lb. 20c.

Sweet Corn

a more economical use of space can be made and the product secured a little earlier by making the rows several feet apart, planting in the intervening space any early, low growing crop like radish, spinach or lettuce, and following this with a second crop of cucumbers for pickles, winter squash, celery or turnips, the corn ripening in time for the removal of the stalks before they greatly interfere with the growth of the second crop. The later and larger varieties require some more room. Corn thrives best on warm rich soil and succeeds on any only when given frequent but shallow cultivation. Three stalks are all that should be allowed to grow in one hill.

Early Red Cory. The most popular early variety; cobs mostly red, kernels from deep pinkish cast to white, ears eight-rowed and of fair size; of medium quality and a good yielder.

Postpaid 1 pt. 13c.; pt. 20c.; qt. 35c. By express or freight or at counter
1 pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.; $\frac{1}{2}$ pk. 70c.; pk. \$1.15; bush. \$4.00.

Red Cory, Original Strain. An extra early strain of this very popular variety differing from our regular or ordinary strain only in point of earliness.

Postpaid $\frac{1}{2}$ pt. 14c.; pt. 28c.; qt. 50c. By express, freight or at counter
1 pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.; $\frac{1}{2}$ pk. \$1.00; pk. \$1.65; bush. \$6.00.

Early White Cory. A selection from the Red Cory, having white kernels and cobs. Ears are a little larger. It is nearly if not quite as early, and is considered by some of better quality. Eight-rowed.

Postpaid $\frac{1}{2}$ pt. 13c.; pt. 20c.; qt. 35c. By express or freight or at counter
 $\frac{1}{2}$ pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.; $\frac{1}{2}$ pk. 70c. pk. \$1.15; bush. \$4.00.

Culture. Sweet Corn is very susceptible to cold and wet and should be planted liberally to insure a good stand and in this latitude not before the middle of May. The small early varieties may be planted in the garden as closely as $\frac{2}{3}$ by $\frac{2}{3}$ feet but in the field are generally planted 3 by 2 or $\frac{2}{3}$ feet. In the small garden however a more economical use of space can be made and the space any early, low growing crop like radish, spinach or turnips, the corn ripening in time for the removal other varieties require some more room. Corn thrives best stalks are all that should be allowed to grow in one hill

Mammouth White Cory. This, while the stalks are no larger than the White Cory, has larger ears and is claimed to be more productive. The ears are twelve-rowed, very symmetrical and handsome, with no space between the rows at the base. The kernels are large, broad, very white, and of good quality for an early variety.

Postpaid $\frac{1}{2}$ pt. 13c.; pt. 20c.; qt. 35c. By express or freight or at counter
 $\frac{1}{2}$ pt. 10c.; pt. 15c. qt. 25c.; 2 qts. 45c.; $\frac{1}{2}$ pk. \$1.25; bush. \$4.50.

First of All. One of the earliest varieties, a selection from the Red Cory, nearly identical in appearance, differing slightly in size of ear (a little smaller) and in being sometimes ten or twelve rowed.

Postpaid $\frac{1}{2}$ pt. 13c.; pt. 20c.; qt. 35c. By express or freight or at counter
 $\frac{1}{2}$ pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.; $\frac{1}{2}$ pk. 70c.; pk. \$1.15; bush. \$4.00.



planting of seed than other varieties as seed of this type seldom germinates as well especially if conditions are at all unfavorable.

Postpaid ½ pt. 13c.; pt. 20c.; qt. 35c. By express, freight or at counter 1 pt. 10c.; pt. 16c.; qt. 25c.; 2 qugs. 45c.; 1 pk. easiest, sweetest and largest of all the Mammoth sweet varieties.

Marblehead Mammoth. The earliest, sweetest and largest of all the Mammoth sweet varieties. 25¢ per express freight or at counter 1 pt. 10c; pt. 15c; qt. 25c; 2 qts. 45c; 1 pk. 80c.; pk. \$1.40; bush. \$5.00.

Ferry's Early Evergreen. A selection from the well-known Stowell's Evergreen; identical in appearance, equal in quality, and aimed by the introducers to be from one to two weeks earlier and to remain in condition for use longer.

Postage paid at 13c.; at 20c.; at 35c. By express freight or at counter 1 pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.; 1 pk. 80c.; pk. \$1.40; bush. \$5.

Postpaid Stowells. **Evergreen.** More largely used than any other late variety. Ears large, kernels very deep and shriveled.

Stowell's Evergreen. More largely used than any other late variety. Ear large, slender, very deep, pointed, pale green, skin smooth, thin, taste sweetish, juicy, and delicious. Postpaid, pt. 13c.; pt. 20c.; qt. 35c. By express, freight or at counter, pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.; 1 pk. 80c.; pk. \$1.40; bush. \$5.00.

Sweet Fodder, Evergreen. and other large varieties. Pk. 60c.; bush. \$2.00.

CORN

FIELD, FODDER AND ENSILAGE

The following list is mainly one of well known and tried varieties not surpassed as a whole by any yet offered. Our stocks are of the usual high grade, reliable as to type and always of proved germination. Samples of any will be sent without charge on application.

NO CHARGE FOR BAGS in which corn will be shipped. Prices here quoted for field and ensilage corn include bags.

A discount of 10 cents will be made on both the one and two bushel prices to local customers buying at our counters and furnishing their own bags.

EARLY CANADA. Improved strain. This strain is in most respects identical with the original, but the ears are longer and stalks are of slightly larger growth. Ears of the original are about six inches in length, while of this strain they are about two inches longer, and of similar or nearly identical strains known as Early Greenfield, Deerfield and Connecticut Valley, ears are often nine inches or longer. While in the hands of different growers the type has been largely maintained, the tendency to select larger ears has been followed by an increased growth or size of stalks making such strains later in maturing. We prefer and endeavor to procure strain of which the ears are about eight inches long with as small stalks as possible because earlier and more distinct from the following varieties, and also more desirable for light soils of only average fertility and for late planting. On stronger and richer soils the following two varieties would probably be preferable, though because of its earliness, therefore, the more nearly certain maturity in unfavorable seasons, its great production of ears and more easily handled dry fodder it is preferred by some for planting on their best and richest land. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

INTERMEDIATE YELLOW FLINT. A variety intermediate in time of ripening between Improved Canada and Longfellow. Ears are generally eight rowed, a little longer than Improved Canada and considerably thicker, while kernels are much larger than of any variety we have ever seen. Stalks are larger than Improved Canada and the variety requires for best results somewhat stronger soil. On such soil the yield will closely approach if not equal the Longfellow while the crop will mature earlier. We have been at times in the past somewhat unfortunate in not securing seed of the desired type but the stock we now offer was grown from seed which we furnished and will, we are sure, give entire satisfaction. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

LONGFELLOW. This popular variety is said to be the result of careful selection in the Longfellow family for over fifty years. The ears are very long, sometimes reaching the length of fifteen inches. The cobs are small, with kernels of good size. It yields well, often having two good ears on a stalk. It is safe for planting in the latitude of Massachusetts and is in this state extensively grown. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

SANFORD WHITE. A white flint variety, used considerably in Rhode Island for grinding both for stock and culinary purposes, and very extensively used in Vermont for ensilage. Selected hand-picked seed. Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

SANFORD FODDER. Same stock as preceding but not hand picked. Pk. 35c.; bush. \$1.35; 2 bush. \$2.60.

AUSTRALIAN WHITE FLINT. An extra early and extremely hardy variety, thriving where the climate is too cold for ordinary corn and resisting drought remarkably, will produce a crop when most varieties would fail. Pk. 40c., bush. \$1.50, 2 bush. \$2.90.

KING OF THE EARLIEST. This dent variety, a selection from the Pride of the North, made by the originator of that variety, is from ten days to two weeks earlier, which we think makes it safe for planting in this latitude for the purpose of maturing grain. The cob is small and although the ears are not long the kernels are very deep and the yield is large. We may say here that more attention is being given in the East to the dent varieties for growing for grain than formerly and they are in a few localities grown almost to the exclusion of the flint type, the growers claiming a much larger yield from the dent. Pk. 40c., bush. \$1.50, 2 bush. \$2.90.

PRIDE OF THE NORTH. An early dent variety which has been grown in the East to some extent for grain and to a greater for ensilage. Although not of as rank growth as other varieties of this type, it is on account of its early production of ears popular with some for the latter purpose, especially with those having cold clayey soil. Pk. 40c., bush. \$1.50, 2 bush. \$2.90.

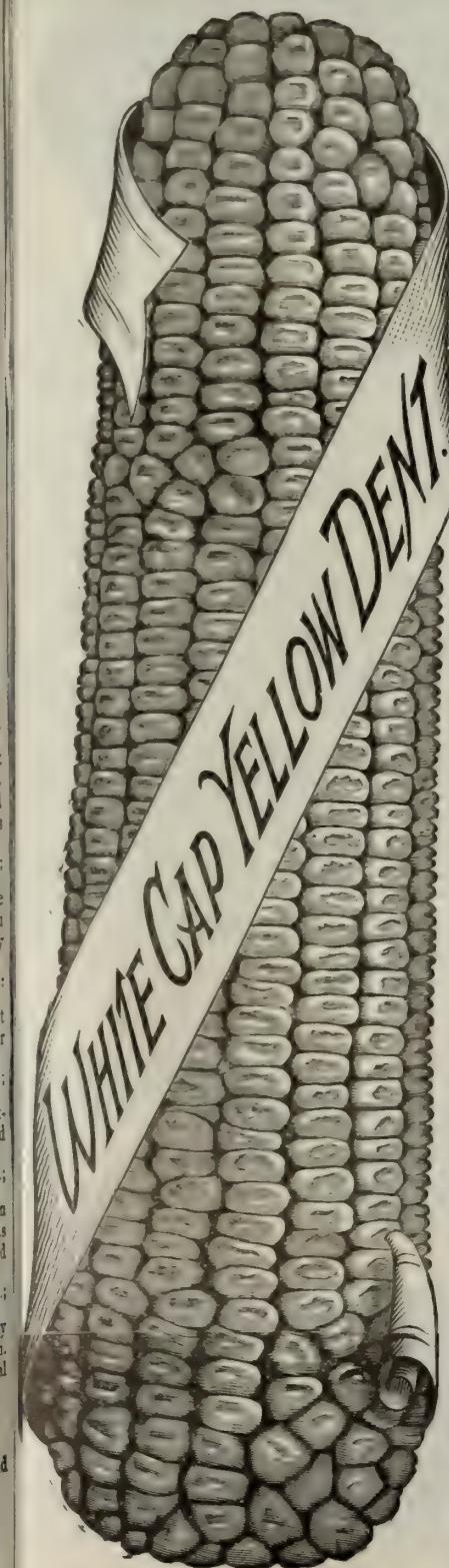
WHITE CAP YELLOW DENT. Nearly as early as the Pride of the North with larger ears. The introducer says he will guarantee this corn to mature in ninety to ninety-five days from planting and to produce a larger crop on poor soil than any other variety. Stalks eight to nine feet high, with an abundance of foliage. Ears about eight inches long, sixteen or eighteen rowed, and well filled with deep kernels, the outside ends white, the balance light yellow which gave it the name "White Cap." The early and great production of ears and abundant foliage should make this a popular variety with those who desire ears well advanced toward maturity at the season for cutting for the silo. In this respect it is probably superior to the popular Early Mastodon, as, though the ears are not as large, they are considerably nearer maturity at the season for cutting for ensilage, while the stalks are of good size and fully as leafy. Pk. 40c., bush. \$1.50; 2 bush. \$2.90.

LEAMING. A medium early dent variety which is probably more extensively grown for ensilage than any other. Stalks twelve or thirteen feet in height and leafy. Ears about nine inches long, well filled with medium sized but deep kernels which when dry perhaps approach more closely in hardness the flint type than those of any other dent corn. While we have offered for years but one grade and that greatly superior to much that was offered last season and are continuing this season to offer two grades. The regular grade is of the same quality as in former years, the choice is from carefully selected ears. Regular Commercial Grade Pk. 40c.; bush. \$1.50; 2 bush. \$2.90; Choice, or Hand Picked Pk. 50c.; bush. \$1.70; 2 bush. \$3.30.

EARLY MASTODON. A dent variety second in popularity to the Leaming. Ears are the largest of any of the early strains of dent corn while the plant is the most productive of all the dent varieties. The stalks grow about the same height as the Leaming, possibly a little taller and are very leafy. On account of its early and remarkable production of large ears it is a favorite with some for ensilage. Unfortunately, though the ears are produced earlier owing to the large, soft kernels they require a long time to ripen. Seed therefore is difficult to cure in the ordinary way in the time which can be allotted to it and is, in usually warm spells in early spring, liable to heat after being bagged. For this reason we now offer only seed which has been kiln-dried. This treatment will we think prevent any tendency to heat and though it adds a trifle to the cost, this is hardly comparable with the increased value of the seed because of its more certain germination. As of the Leaming we offer two grades. Regular Commercial grade Pk. 40c.; bush. \$1.60; 2 bush. \$3.10. Choice or hand picked, Pk. 50c.; bush. \$1.80; 2 bush. \$3.50.

EUREKA ENSILAGE. Though we have stated that the Leaming is the most popular variety for ensilage and that the Mastodon is second in favor our statements were intended to apply to their use in the whole country, as taking our customers alone the Eureka is by far the most popular. We believe it is the most profitable variety for ensilage because of its enormous growth, the greater abundance of leaves and greater production of ears. In our opinion the objection made by some that the ears do not reach a desirable maturity is more than offset by the merits above mentioned and has but little weight when compared with the very favorable opinions expressed by hundreds of practical farmers many of whom have for years planted nothing but the Eureka. It is the best of all for ensilage because it will produce more good material for the silo on the same area than any other variety. Pk. 60c.; bush. \$2.00; three bush. \$5.00. Ears, crate of 70 pounds (one bushel) \$2.50.

RED COB ENSILAGE. A pure white corn with red cob. Extensively grown for ensilage. Pk. 35c.; bush. \$1.35; 2 bush. \$2.60.



CUCUMBER

One ounce for 50 hills, $1\frac{1}{2}$ to 2 lbs. for one acre.

THE soil for cucumbers should be heavily enriched, rotted manure supplemented with commercial fertilizer is best but well rotted turf and fertilizer will produce a good crop. Land one year from turf with plenty of fertilizer makes an ideal soil. In any event the cucumber is at its best only when furnished sufficiently with both plant food and humus and the latter must be well decomposed and finely pulverized. It is not generally safe to plant in this latitude before the middle of May. Plant ten or more seeds an inch deep in broad hills.

$\frac{3}{2}$ to 4 feet apart for the small early varieties and 5 to 6 feet for the larger kinds. If the young plants are attacked by the striped bug or other insect, dust frequently with air-slacked lime, soot or ashes mixed with road-dust, taking care that too much is not used at one time. When danger from the striped bug is over thin plants to three to the hill. Give frequent but shallow cultivation as long as vines will permit.

The prices quoted on this page are postpaid. If desired by express in quantities above one quarter pound 10 cents may be deducted from prices per pound.

Early Russian. The earliest variety and probably the hardiest. Fruit three to four inches long, one and one-half inch to two inches in diameter, oval, pointed at both ends and covered with fine, small spines. Vine of vigorous growth and productive. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Early Cluster. An early and very productive variety. Fruit small, thick at the end, dark green, but lighter at blossom end, borne in pairs or clusters and largely near the root. Used to some extent for pickles. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Early Frame or Short Green. fruit short, straight, small at each end, bright green, lighter at blossom end, and although small, attractive and of excellent quality. Used both for slicing and pickling. Vine vigorous and productive and produces fruit of suitable size for slicing soon after the Cluster. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Early White Spine. Deservedly the most popular type. Fruit uniformly straight and handsome, dark green with white lines at blossom end, has but few spines, and is unsurpassed for slicing. Vine large vigorous and very productive. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Extra Long or Evergreen White Spine. A distinct strain of this popular type. Fruit long cylindrical dark green, crisp and tender. Vine productive and comes into bearing soon after the regular strain. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Nichols Medium Green. Fruit thicker than the White Spine and full at both ends. Skin light green and very smooth. An attractive variety and of fine quality. Used by some for early forcing. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 80c.

Dandelion. One ounce will sow 200 feet of drill. Two pounds to the acre.

Culture. Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm. Thin to five inches apart in row. Cultivate frequently through the summer. The plants will be ready for cutting the following spring.

Cultivated or French Common. A greatly improved strain of the common wild dandelion. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$2.25.

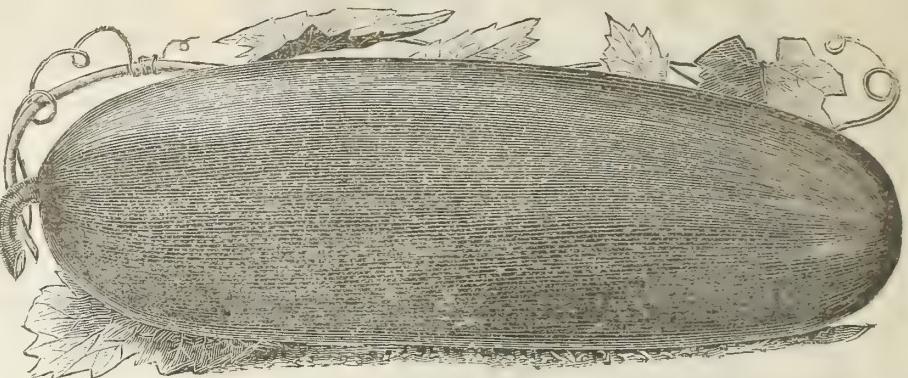
Improved Thick Leaved. Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., 2 oz. 70c., $\frac{1}{2}$ lb. \$1.25, lb. \$4.50.

Egg Plant. One ounce will produce 1500 plants.

The Egg Plant like all sub-tropical plants requires both for germination of seed and vigorous growth of plant a high temperature. The seed is slow in germinating and should be sown about the first of April. When the young plants show two rough leaves transplant to 3 or 4 inches apart, and when settled warm weather comes, set in rich warm soil 2 $\frac{1}{2}$ to 3 feet apart each way.

Black Pekin. An early variety nearly round, large, smooth, black and glossy. Plant prolific, leaves purplish black. Pkt. 5c. $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 45c., $\frac{1}{2}$ lb. 75c.

New York Improved (Spineless). The favorite variety. Fruit of largest size, oval, rich purple and of finest quality. Plant large, spreading and very productive, foliage light green. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., 2 oz. 60c., $\frac{1}{2}$ lb. \$1.00.



EMERALD

Emerald. Fruit very attractive, rather long, straight, symmetrical and entirely spineless. Color a very dark green which it retains remarkably until ripe. Excellent for slicing and especially desirable for shipping on account of holding its color so long. Vine vigorous and productive. Season medium to late. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Davis Perfect. A new variety of attractive shape and superior quality. Fruit long, slim, symmetrical and rich dark green holding color until ripe. The flesh is of finest quality, tender, brittle and of good flavor, the vine is especially vigorous and large and requires more space than most varieties. Pkt. 10c., oz. 20c., 2 oz. 35c., $\frac{1}{2}$ lb. 60c., lb. \$1.60.

Long Green. Fruit from ten to twelve inches long, dark green, and very firm and crisp. It is used largely for slicing, but on account of its firmness and crispness is popular with some for pickling, and is especially desirable when mature for sweet pickles. Vine of strong, vigorous growth and productive. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Cumberland. A distinct variety of the hardy white spine type. Fruit large, symmetrical, dark green and thickly set with fine spines. Though especially recommended for pickling it is valuable for slicing being of excellent quality. Vine vigorous, remarkably prolific and continues in bearing a long time. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Japanese Climbing. A variety of vigorous growth with especially strong, grasping tendrils which enable it to climb trellis, netting or brush. Fruit of good size, attractive and of excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 80c.

Boston Pickling. A favorite variety for pickling. Fruit of medium size. Very smooth, light green. Vine productive. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 80c.

Endive. One ounce will sow 150 feet of drill producing from 2000 to 2500 plants.

Endive like lettuce may be grown at any season but is more generally used in the fall. For early use sow in April, for later, until July, in drills 1 $\frac{1}{2}$ inches apart, or in beds for transplanting, plants should stand 10 or 12 inches apart in the row. When nearly full grown, tie the outer leaves over the center to blanch the heart or blanch with boards placed on each side as with celery.

Moss Curled. Of dense growth and finely curled. Pkt. 5c. $\frac{1}{2}$ oz. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 40c.

Large Green Curled. Of larger growth, not as much curled as preceding. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 40c.

Kale, or Borecole. One ounce will produce 2000 plants.

For early use sow in May and transplant in June, and treat generally as for cabbage.

Dwarf Curled Scotch. A standard variety, Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Kohlrabi. One ounce will sow about 200 feet of drill.

This vegetable is intermediate between the cabbage and turnip. The edible part is an enlargement of the stem and should be used when half grown as when full grown it is tough and fibrous. Sow in drills 18 inches apart and thin plants 6 to 8 inches apart.

Early White Vienna. Standard varieties. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., $\frac{1}{2}$ lb. 50c.

Early Purple Vienna. Standard varieties. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., $\frac{1}{2}$ lb. 50c.



Hittinger's Belmont

Lettuce

White Seeded Tennis Ball, or Boston Market. This has been more largely used in this section for forcing than any other. It has, however, in recent years been, to a considerable extent, displaced by the Belmont Forcing.

Hittinger's Belmont Forcing. Like the preceding this is a plain leaved variety, resembles that in general appearance but is much larger. It forms a compact head and is, like the Tennis Ball, almost certain to head, making a desirable and profitable variety for forcing.

Black Seeded Tennis Ball. For first outdoor crop nothing surpasses this. It also is in some sections used for forcing. It forms firm solid heads of medium size. The leaves are plain, thick, rich dark green, the inner ones blanching to a rich creamy white and are then crisp and of fine flavor. A popular market variety.

Big Boston. Although much larger than either, this resembles the White Seeded Tennis Ball and Belmont, in general appearance and like them is of the type popular with market gardeners here and with most shippers, having but few outer leaves. It is very desirable for those gardeners requiring a large heading variety for forcing, and for growing in cold frames, and heads well very early in spring out doors. It does not head well in midsummer but is especially valuable for fall use, every plant being almost certain to head in the cool months of that season. The heads are large, but having only a few outer leaves, the plants may be set more closely than other large varieties. The leaves are broad, comparatively smooth thin and very hard, the outer leaves are light green; a large proportion of the inner ones or head blanching to a beautiful creamy white. When well grown, of the finest quality, crisp and tender.

Early Curled Simpson. (White Seed.) An old variety with broad, often frilled, very curly light green leaves; sweet, tender, and of fine flavor.

Black Seeded Simpson. Much larger than the preceding, but not as much curled. Forms a large loose cluster of leaves rather than a head, leaves light yellowish green; a good variety and extensively grown.

Early Curled Silesia. An old standard sort, very popular for home gardens.

Boston Fine Curled. Beautifully curled, excellent for garnishing but of rather poor quality.

Deacon. One of the most popular summer varieties, forming heads a little above medium size which although not as large as some of this class are nevertheless very solid, of excellent quality and flavor and which remain fit for use a long time. The outer leaves are few and are of a deep green, the inner portion blanching to a beautiful cream yellow.

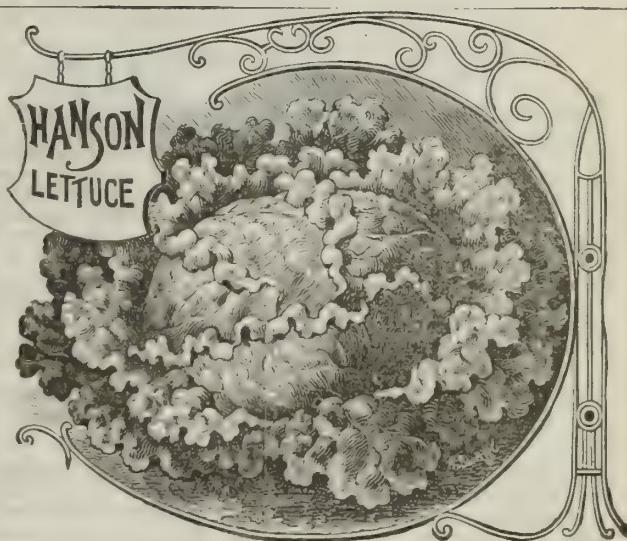
Prize Head. This variety has no superior where a thin, tender, crisp and sweet lettuce is wanted for the home garden or local market. Being so thin leaved and tender it, of course, wilts very quickly after cutting, and is not suitable for distant markets. Plant large, deep green, so washed with red as to appear more red than green, forming a head of a dense mass of leaves, rather than one like a cabbage, and very slow to run to seed.

Hanson. An old variety of great merit. It forms a large, flat, cabbage-like head very slow to run to seed. The outer leaves are bright green with veins of lighter shade, inner leaves white usually curved and twisted at the base. A very attractive variety of excellent quality and extensively grown for home use.

New York Market. One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender and of excellent flavor, and is always free from bitterness. It is not a forcing variety but is one of the best for summer use.

Preceding varieties at uniform prices.

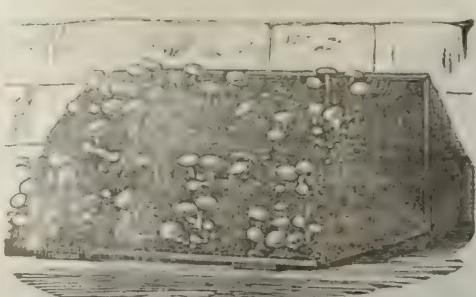
Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 40c., lb. \$1.25.



A New Lettuce — "GIANT GLACIER." WITHSTANDS HEAT AND DROUGHT TO AN UNUSUAL DEGREE.

THE INTRODUCERS of this variety say that it "produced fine solid heads when the soil was so dry and the weather so warm that the varieties usually depended upon for a mid-summer supply failed. The plants are of strong growth, twelve inches in diameter, with large light green outer leaves, finely serrated, and swollen like the leaves of the Savoy Cabbage. The heads are extra large, often six inches in diameter. The interior is white, crisp and tender, entirely free from the bitter pungency of many sorts when grown under the hot summer sun."

Prices. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 50c., lb. \$1.75.



Mushroom

Spawn

Lb. 15c.
8 lbs. \$1.00.

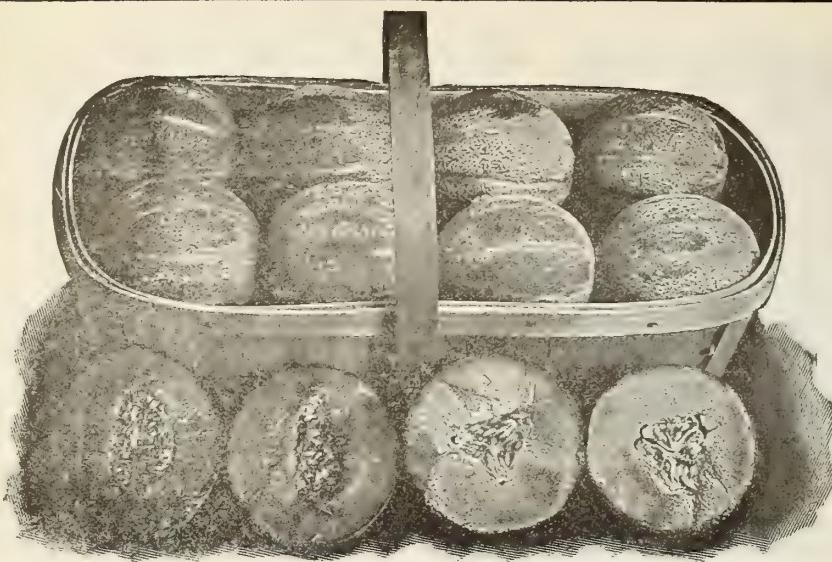
If desired by mail
add 8 cents per
pound.

LEEK.

American Broad Flag. The standard variety. Pkt. 5c., $\frac{1}{2}$ oz. 10c.; oz. 15c., 2 oz. 25c., $\frac{1}{2}$ lb. 40c., lb. \$1.25.

MARTYNIA.

The seed pods when young and tender make excellent pickles, but should be gathered when less than half grown. Pkt. $\frac{1}{2}$ oz. 20c., oz. 35c., 2 oz. 60c., $\frac{1}{2}$ lb. \$1.00.



necessary features for shipping. The Paul Rose, however, is especially adapted for shipping, remaining in good condition longer than most other varieties.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

EMERALD GEM

UNIFORMLY GOOD



Notwithstanding the excellence of the many new varieties, this ranks with them in delicious and peculiar flavor, and we are somewhat in doubt if any other variety equals it in *certainity and uniformity of excellence*. The flesh is thicker than that of any other melon of equal size, and ripens clear to the thin rind. It is very sweet and melting and of an especially pleasing flavor; in color a beautiful salmon. The melons are small—about the same size as the Netted Gem. The skin, while ribbed, is generally smooth, sometimes slightly netted and in color deep green. Its general appearance is not attractive, which undoubtedly prevents it from being grown for market as extensively as it otherwise would, but in sections where its excellence and uniformity have been recognized it is largely used. The vine is of vigorous healthy growth, productive, and matures fruit extremely early.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

Prolific Nutmeg. Fruit of medium size, round, slightly flattened, ribbed and heavily netted. Flesh pale-green, thick, and well flavored.

Surprise. A popular variety, although of but medium quality. Fruit slightly oval and of medium size; slightly ribbed, seldom netted. Skin cream yellow, flesh deep salmon, vine hardy and productive, and matures fruit early.

Extra Early Hackensack. Fruit of good size, round, flattened, heavily ribbed and netted. Flesh green, thick, and of fine flavor.

Osage, or Improved Miller's Cream. Although much larger the fruit resembles the Emerald Gem, having the same dark green skin with lighter

The preceding seven varieties at uniform prices.

COSMOPOLITAN

THE MOST BEAUTIFUL



The introducers said of this at its introduction that it was truly cosmopolitan in character, combining the firm sweet flesh of the French Cantaloupe with the delicious flavor of the American Musk Melon. It is the most beautiful of the green fleshed varieties; of medium size, nearly round, slightly oval, without ribs. Color light green but becoming covered when ripe with dense, silver-grey netting. Flesh green, firm, sweet, and of fine flavor. Vine hardy and very productive. The very handsome appearance of this melon, combined with its excellent quality and great productiveness, should make it popular with all those engaged in growing melons for market; while its quality well entitles it to a place in the home garden.

Price. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

bands between the ribs. Flesh is very thick and firm, of fine quality; color orange. Keeps well and is a favorite with shippers.

Improved Orange Christiana. A favorite in the Boston market. Known also as Black Japan. Fruit above medium size, round, generally smooth; dark green. Flesh yellow, very thick, and of finest flavor and quality.

Montreal Market. One of the largest of this type. Fruit round, slightly flattened, with broad heavy ribs and heavily netted. Flesh light green, very thick, and when melon is well grown of finest flavor and quality.

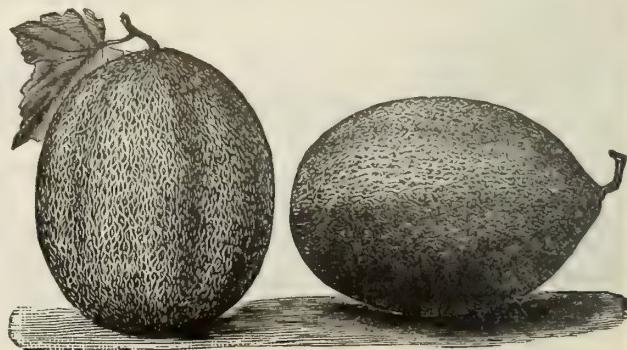
Bay View. One of the largest, most productive and best flavored melons grown. Shape oblong, flesh green.

Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c.

A Very Popular Variety — NETTED GEM, or ROCKY FORD

THIS EXCELLENT VARIETY was introduced as the Netted Gem in 1881 and has always been a popular melon. It has, however, attained greater popularity under the name Rocky Ford. It has been very extensively grown in Colorado, there having been shipped from there in season of 1900, 780 cars, representing the product of 2,500 acres, and doubtless the acreage has since been increased. It acquired its later name from the town Rocky Ford, which led in the production and shipping of this variety. It is claimed by many to be the finest small-fruited melon in cultivation. Fruits are of uniform size, nearly globular, sometimes slightly oval, always finely netted, and of a grayish golden yellow when ripe. The flesh is light green, ripens to the rind, melting, and of fine flavor. The vine is of strong, healthy growth, very productive, and fruits ripen early. It is undoubtedly one of the best for shipping, and its uniformly excellent quality makes it equally desirable for the home garden.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



Water Melon



Sweetheart. One of the best for shipping. This melon introduced several years ago, has become very popular with shippers in the south. It not only excels as a shipping variety, but is of more than average good quality. Fruit is large, oval, and very heavy. It is uniformly mottled light and very light green, and has a very thin but firm rind. The flesh is bright red, firm and solid, but very tender, melting and sweet. The fruit retains its good quality for a long time after ripening. The vine is vigorous and productive and ripens fruit early. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Kleckley's Sweet, or Monte Cristo. The Sweetest of All. Since its introduction until now this has been known as the "sweetest of all" watermelons. The fruit is large, oblong, averaging eighteen to twenty inches in length by ten to twelve inches in diameter, with a dark green skin and having a very thin brittle rind. The beautiful bright scarlet flesh with its very large solid heart, the white seeds being placed close to the rind, is crisp, sugary and melting to a remarkable degree, and is entirely free from any stringiness. Although its thin brittle rind unsuits it for shipping to distant markets, its uniformly superior quality guarantees its ready sale in any markets to which it can be sent in good condition, while for the home garden but few if any equal it. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90.

Cole's Early. A small but very early variety, of fine quality, and sure to mature in any latitude where melons can be grown. Rind thin, skin green with white stripes, flesh dark red. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Phinney's Early.* A standard early variety; of medium size, oval; marbled with two shades of green; rind thin; flesh pink, sweet, tender and crisp. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

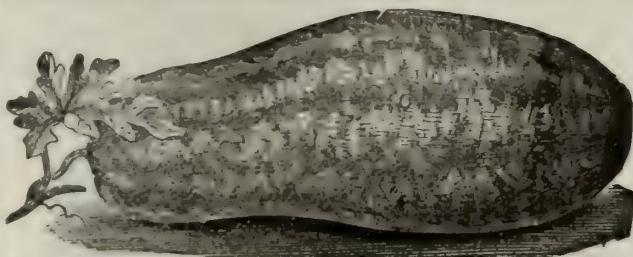
FORDHOOK EARLY

The Earliest Large-Fruited Melon.



THIS NEW VARIETY ripens close to the small Cole's Early and before the Phinney's Early, and is considerably larger than the latter. In form rather short and blocky; skin dark green, sometimes having faint stripes of lighter green; flesh bright red, sweet and of fine quality. The rind is thin but skin is tough, making it an excellent variety for shipping.

Price. Pkt. 5c., oz. 10c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



Mountain Sweet Watermelon.

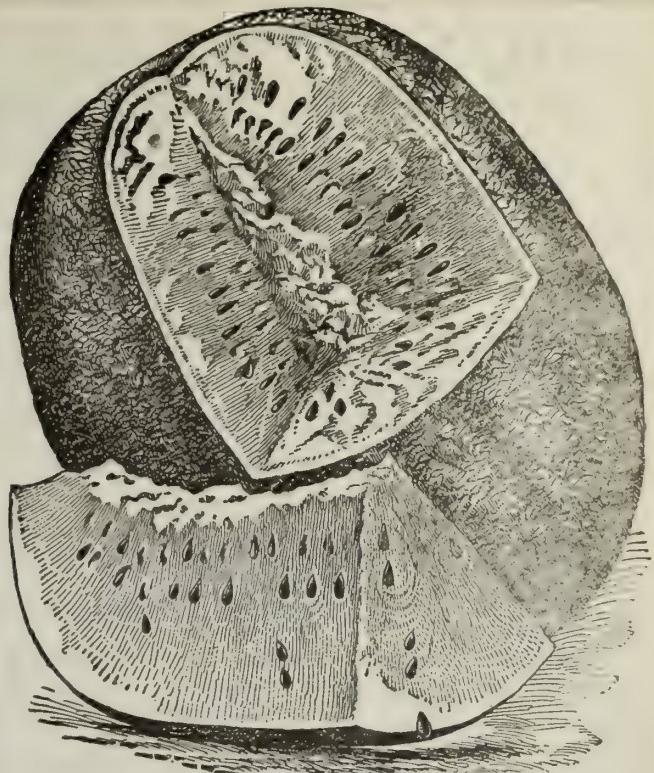
Cliton. For preserving only. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

A NEW WATERMELON — Halbert Honey

THE BEST FOR THE HOME GARDEN.

The new Halbert Honey is a rival of the Kleckley Sweet in sweetness, is fully equal in flavor, more regular in form and much more productive. The melons average eighteen to twenty inches in length by six to eight inches in diameter and are blunt at both stem and blossom end. In color they are deep glossy green. The flesh is a beautiful crimson-lake and extends to within less than half an inch of the rind; is entirely free from any fibrous substance, and is rich, sugary and melting, with a delicious flavor peculiar to itself. The vine is hardy and wonderfully productive and matures its fruit sufficiently early to permit it being grown throughout the Northern States, where frost does not appear before September first. The thin rind, like the flesh, is so tender that it will not stand shipping to any great distance, but for the nearby market and the home garden no other variety in all respects equals it.

Price. Pkt. 10c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.65.



Sweetheart Watermelon.

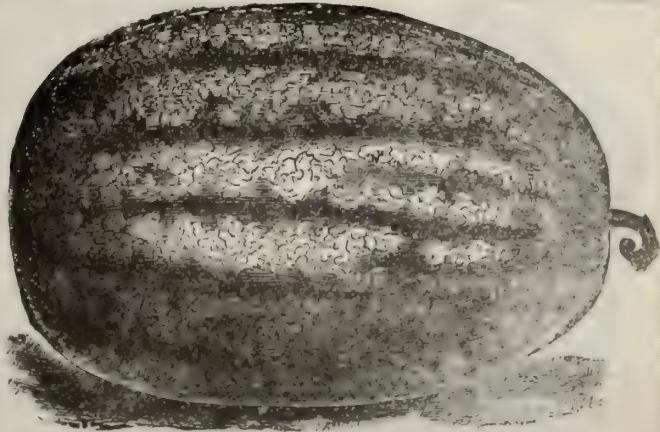
Peerless, or Ice Cream. Fruit oblong, of medium size; skin dark green, flesh scarlet, very sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Mountain Sweet. An old and popular variety, especially in New England. Rind green and rather thick; flesh scarlet, solid, very sweet, and of excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Kolb's Gem. Fruit round or slightly oval and very large. Skin marked with irregular stripes of dark and light green; flesh bright red and rather coarse, rind very tough and hard, making it especially desirable for shipping; and it is largely grown in the south for that purpose. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Cuban Queen. Fruit large, globular or oval; skin beautifully striped light and dark green; rind thin but stands shipping well; flesh bright red, very solid, crisp and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Eight Varieties Mixed. Pkt. 5c.



Cuban Queen Watermelon.

ONION.

An ounce will sow 100 feet of drill.
Four to five pounds to the acre.

The onion usually thrives best on old rich land but can be profitably grown only on such as has been kept free from weeds. If stable manure is used it should be either well-rotted or plowed into the soil the previous fall. As manure always contains more or less weed seeds, many large growers now use nothing but commercial fertilizer. Soil should be thoroughly pulverized by raking and as the bulbs should grow entirely out of the ground, if possible, it should be made firm by rolling. Sow in rows twelve to fourteen inches apart, one half inch deep, and follow if possible with a light roller, if not and the bed is small the soil can be made firm with back of hoe. It is of the utmost importance that the bed be kept free from weeds, especially at first, in fact if the weeds once get ahead of the young plants, the bed would better be plowed and devoted to some other purpose.

YELLOW GLOBE DANVERS. More extensively grown than any other variety. Bulbs of globular form differing from the original Globe Danvers which, though the upper portion was somewhat similar, had a flat bottom. This more nearly resembles the Southport type, differing in being slightly flattened at both the top and bottom, ripens earlier, closely approaching in earliness the original type and is more nearly free from scallions in unfavorable seasons than the Southport varieties. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 18c., 2 ozs. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.83 postpaid; by express or freight, lb. \$1.75, 5 lbs. or over \$1.65 per lb.

YELLOW GLOBE DANVERS—EXTRA SELECTED STOCK. From bulbs of our own selection or from the most reliable growers with whose stock we are thoroughly acquainted and which is identical in all features with ours. Bulbs of true globular form with very small necks, color rich deep yellow, skin tough; of attractive appearance and excellent for shipping or storing. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 ozs. 45c., $\frac{1}{4}$ lb. 75c., lb. \$2.68 postpaid; by express or freight, lb. \$2.60., 5 lbs or over \$2.50 per lb.

SOUTHPORT YELLOW GLOBE. Bulb nearly spherical slightly elongated at both top and bottom, not quite as early in maturing as our Selected Strain of Yellow Globe Danvers, a little more inclined to grow stiff-necked on some soils or in unfavorable seasons but when well grown brings the highest price, especially in New York markets.

Prices same as of Selected Stock of Yellow Globe Danvers.

SOUTHPORT RED GLOBE. Identical in form with the preceding. The handsomest of all onions and is being grown to greater extent at present than ever before.

Prices same as of Selected Stock of Yellow Globe Danvers.

SOUTHPORT WHITE GLOBE. Of true globe shape. Not largely grown but brings the highest prices in market of any variety. Later than the White Portugal, a better keeper, and, like all globe shaped varieties, a greater weight can be obtained on the same area. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., 2 ozs. 65c., $\frac{1}{4}$ lb. \$1.15, lb. \$4.10 postpaid; by express lb. \$4.00.

EXTRA EARLY RED FLAT. The earliest red variety. Pkt. 5c., $\frac{1}{2}$ oz. 10c., oz. 15c., 2 ozs. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.48 postpaid; by express or freight, lb. \$1.40.

EARLY YELLOW CRACKER. The earliest yellow variety. Bulb flat and thin, skin thin, needs care in handling to insure keeping; of mild flavor. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 ozs. 45c., $\frac{1}{4}$ lb. 75c., lb. \$2.68 postpaid; by express or freight, lb. \$2.60.

WHITE PORTUGAL OR SILVER SKIN. An early white variety. Bulb flat skin thin; of especially mild flavor. *Prices same as of Yellow Cracker.*

RED WETHERSFIELD. An old well known variety maturing a little later than the Yellow Globe Danvers. Bulb large, medium thick, flattened; somewhat inclined to grow coarse and stiff-necked on unsuitable soil but a desirable sort for light soil; flesh purplish white and rather strong. *Prices same as of Early Red Flat.*

PRIZETAKER. Bulb of the largest size, form nearly globular, skin thin, light straw color, flesh white, mild and sweet. It is quite sure to bottom, but is late and not a good keeper. It is largely used for sowing early in the hot-bed for transplanting, and for that purpose is an excellent sort. *Prices same as of Yellow Cracker.*

Onion Sets.

If by mail add 10 cents per quart to price.

Onion sets require rich soil and with the exception of the Egyptian, early planting. Rows should be the same distance apart as suggested for onions grown from seed. Sets should be planted from two to four inches apart, and only lightly covered with earth, the top of set just below the surface with any growth it may have made, above. Culture same as of onions from seed. White and yellow sets are grown from seed sown very thickly; the crop from sets is used both when half grown and when mature. Potato onions, White Multipliers and Shallots are propagated by division of the large bulb into several small ones. The first growing as large as onions from seed, the latter two much smaller but favorites with some because of their peculiar flavor, and are used both in the green state and when dry. Egyptian or Perennial sets are borne in clusters at the top of a tall seed stem; when once planted will live for years but are usually treated as annuals; form a bulbous root rather than a bulb, are only used when green and should be planted in the fall.

We offer of both white and yellow sets choice northern grown stock. Prices for larger quantities than here quoted, given on application.

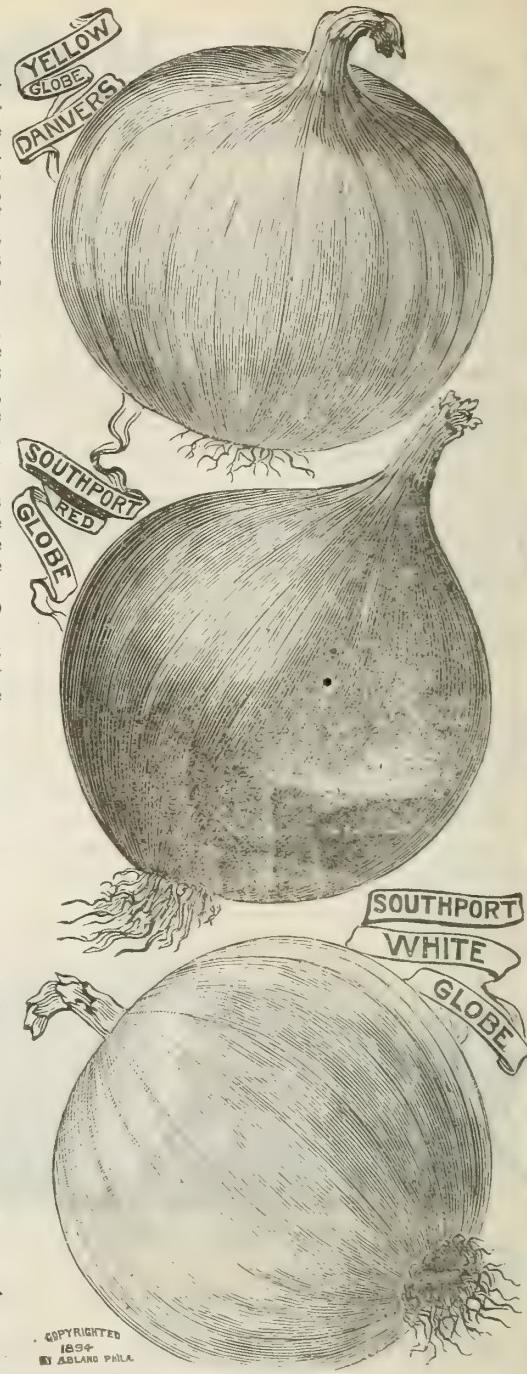
Uniform Prices for White and Yellow. Qt. 20c., $\frac{1}{2}$ pk. 60c., pk. \$1.00,
Potato Onions. Qt. 20c., $\frac{1}{2}$ pk. 65c., pk. \$1.25.

White Multipliers. Qt. 20c. $\frac{1}{2}$ pk. 60c., pk. \$1.00.

Shallots. Qt. 20c., $\frac{1}{2}$ pk. 60c., pk. \$1.15.

Egyptian or Perennial Tree. Ready in September. Qt. 20c., $\frac{1}{2}$ pk. 50c., pk. 90c.

If desired by mail add 10 cents per quart to prices quoted.



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1894
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PARSLEY. One ounce will sow 100 feet of drill.

Parsley thrives in rich mellow soil and owing to the very slow germination of seed succeeds best when seed is sown as early in the spring as ground can be worked. Sow in drills, one half inch deep, fourteen or sixteen inches apart and when well up thin plants to eight inches. It may be cut when three or four inches high and if soil is of the required richness will afford several cuttings during the season. The two varieties offered do not greatly vary. The Moss Curled is perhaps slightly more curled while the Double Curled is claimed by some to be the more productive of leaves and to better withstand dry weather.

CHAMPION MOSS CURLED—EXTRA DOUBLE CURLED. Each, pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

PARSNIP. One ounce will sow 150 feet of drill. Six pounds are required for an acre.

The parsnip thrives on any soil which is deep, mellow and moderately rich, but best on that which is rather light or sandy. Avoid the use of fresh manure as when used, roots are more inclined to be coarse, spongy, and ill shaped. Seed germinates slowly, should be sown fairly early and immediately after ground is prepared, that is before soil has become dry. Sow in rows eighteen inches apart, cover with one half inch of soil and make latter firm by rolling or with back of hoe. Thin plants to three inches apart. We may mention that under certain conditions parsnip seed will not germinate, notably when a driving storm immediately follows the planting. However unfortunate, the only recourse in such a case is to plow the land and sow again. Don't blame your seedsman, whoever he may be, for a result entirely beyond his control and for which nature only is responsible.

ARLINGTON LONG SMOOTH. Roots very long and smooth with full crown, desirable for deep soils and owing to the full crown is less liable to rot if left in the ground through the winter than the Hollow Crown.

HOLLOW CROWN. Roots of medium length, thicker at the top or shoulder than the preceding, succeeds better on shallow or stiff soil; crown slightly depressed, does not, on this account, keep as well in the ground through the winter as the Arlington Long Smooth but is more easily harvested and more extensively grown.

Of each variety we offer a choice selected strain. Each pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c., postpaid; by express or freight lb. 50c., 5 lbs. or over 40c., per lb.

PEPPER. One ounce will produce from 1500 to 2000 Plants.

open ground which however should not be done until settled warm weather. Plants from seed sown inside should be transplanted when they have formed two leaves, to three or four inches apart and, when all danger of cold nights is passed, be hardened by exposure and decrease of water. They should

be transplanted to open ground about the first of June. Set in rows two and one-half feet apart and about two feet apart in the row. A liberal application of any fertilizer rich in nitrogen will greatly assist the growth of plants which should at all stages be rapid.

LARGE BELL OR BULL NOSE. Large, bell-shaped, thick fleshed and less pungent than some other sorts. Good for filling.

SWEET MOUNTAIN. Fruit very large, often eight inches long by two in diameter. Flesh thick, sweet and mild.

RUBY KING. The handsomest of the large sorts, mild and sweet.

SQUASH OR TOMATO SHAPED. Fruit flat or tomato shaped, and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature.

LONG RED CAYENNE. Fruit very slim, pointed, about four inches long and when ripe, bright red. Extremely pungent.

RED CHILL. Used for making pepper sauce. Pods bright red, slender, about two inches long and very pungent. Requires a long season; seed should be sown early in hot bed.

Each of above, pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 ozs. 40c., $\frac{1}{2}$ lb. 75c.

CORAL GEM BOUQUET. The best of the small sorts. Its small red pods are so thickly set as to give it the appearance of a bouquet. Very ornamental, as well as useful. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 40c.

PUMPKIN. One ounce will plant
12 to 18 hills.

SMALL SUGAR. The popular variety in New England for pies; fine grained and sweet. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

LARGE CHEESE, or KENTUCKY FIELD. Shape flat, skin of a rich cream color when ripe, flesh tender and of fine quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

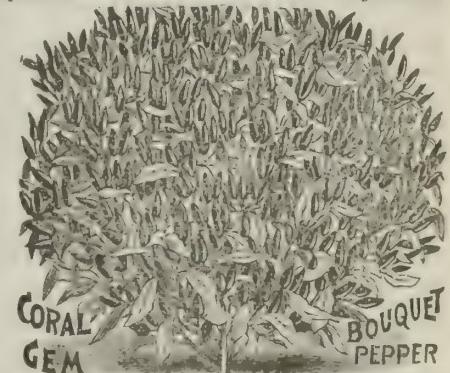
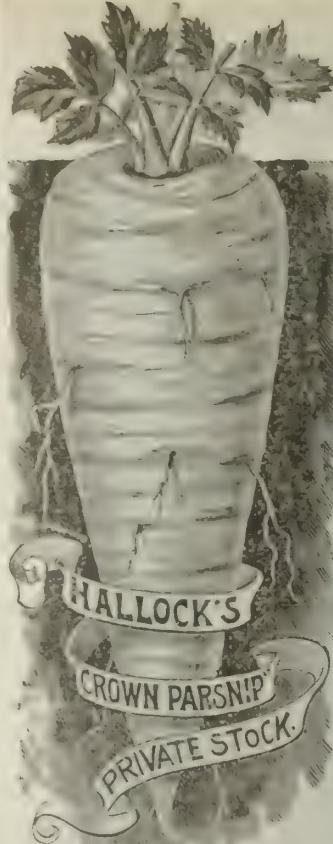
MAMMOTH TOURS. One of the largest in cultivation; good for feeding stock. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

CONNECTICUT FIELD. The standard variety for feeding stock. Pkt. 5c., $\frac{1}{2}$ lb. 15c., lb. 58c.; postpaid by express, lb. 50c.

PEAS. Of the two varieties following one quart will plant 150 feet of drill, one bushel to the acre. Of the wrinkled sorts one quart will plant 100 feet of drill. One and one fourth to one and one-half bushel to the acre. Though light, warm soil is desirable for the extra early sorts peas generally succeed better on that which is moderately heavy. The early smooth peas are very hardy and may be planted as soon as frost is out of the ground and are sometimes planted in the fall. The wrinkled varieties are somewhat more tender and seed is more liable to rot if planted as early. Plant the early and dwarf varieties in drills two and one-half feet apart and three or four inches deep, but cover with but one inch of soil and fill trench gradually as plants grow. Plant the taller and later varieties in rows three to four feet apart and five or six inches deep, covering as already suggested.

EXTRA EARLY ALASKA or LAXTON'S EARLIEST OF ALL. A very popular variety with market gardeners especially in New England. Small varieties, land, due to its extreme earliness and uniformity of ripening. Nearly the whole crop can be gathered at one picking. Vines grow about 2½ feet in height, bearing abundantly pods which, although small, are always well filled. Peas small, bluish green. Postpaid, 1 pt. 14c., pt. 23c., qt. 40c.; by express or freight, $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 75c., pk. \$1.25, bush. \$4.50.

PEDIGREE EXTRA EARLY. A long podded extra early variety maturing closely to Alaska. It was developed from a single pod by an expert pea grower and is of exceptional purity and remarkably uniform in ripening. At least two-thirds of the crop can be secured at first picking while the balance is ready for picking in a few days. Pods are longer than any other strain of this class and average to contain two more peas than Alaska. Peas also are larger and claimed by some to be of better quality. The vines grow from twenty-four to thirty inches high, produce pods singly and are considerably more productive than any other extra early variety. Price same as of Alaska.



PEAS. *Continued.*

All varieties but Black Eyed
Marrowfat have wrinkled seed.

Dwarf Early Varieties. AMERICAN WONDER. Vine 9 to 12 inches high, productive. Pods 2½ to 2¾ inches long, remarkably well filled. Peas of medium size, of best quality, 50 days from planting to first picking. Postpaid, ½ pt. 14c., pt. 26c., qt. 45c.; by express or freight, ½ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., ½ pk. \$1.00, pk. \$1.75, bush. \$6.50.

NOTT'S EXCELSIOR. Vine 12 to 14 in., vigorous, uniform in growth, very productive. Pods 2½ inches, well filled. Peas medium size, sweet and tender. 55 days. *Prices same as of American Wonder.*

PREMIUM GEM. Vine 13 to 15 in., more uniform in growth than Little Gem, hardy, productive. Pods 2¾ to 3 inches, well filled, borne singly on both sides of stalk. Peas medium size, of fine flavor. 59 days. Postpaid ½ pt. 14c., pt. 23c., qt. 40c.; by express or freight, ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. \$1.25, bush. \$4.50.

LITTLE GEM. Vine 16 to 18 in., slightly straggling in growth, not quite as productive as Premium Gem. Pods 3 to 3½ inches not as well filled as those of any of the preceding sorts, 63 days. *Prices same as of Premium Gem.*

Extra Early Varieties of Medium Height.

SURPRISE. Vine 26 to 30 inches, hardy, productive. Pods 2½ to 2¾ inches, slender, well filled. Peas small, of finest quality. The earliest wrinkled variety, 49 days. *Prices same as of Stratagem.*

GRADUS. Vine 3 to 3½ feet with large, luxuriant light green foliage, on rich land, productive. Pods 3⅓ to 4 inches, straight, slightly curved at point, light green, very attractive, well-filled. Peas of largest size and fine quality. Matures soon after Nott's Excelsior. A remarkable variety, combining earliness of vine with peas of largest size and best quality to a degree never before known. Postpaid, ½ pt. 16c., pt. 28c., qt. 55c.; by express or freight ½ pt. 12c., pt. 20c., qt. 40c., 2 qts. 70c., ½ pk. \$1.25, pk. \$2.25, bush. \$8.00.

THOMAS LAXTON. Vine resembles Gradus in size and habit but is much darker, hardier and more productive. Pods large and nearly as long as Gradus, ends blunt nearly square, much darker, even better filled with peas equal in size and quality. Its greater productiveness compensates for the slightly smaller pods and makes it a worthy rival of the Gradus. Both are destined to become as well known and to occupy as important a place among the first early varieties as the Champion of England and Telephone do among the late. *Prices same as of Gradus.*

Second or Medium Early and Late Varieties.

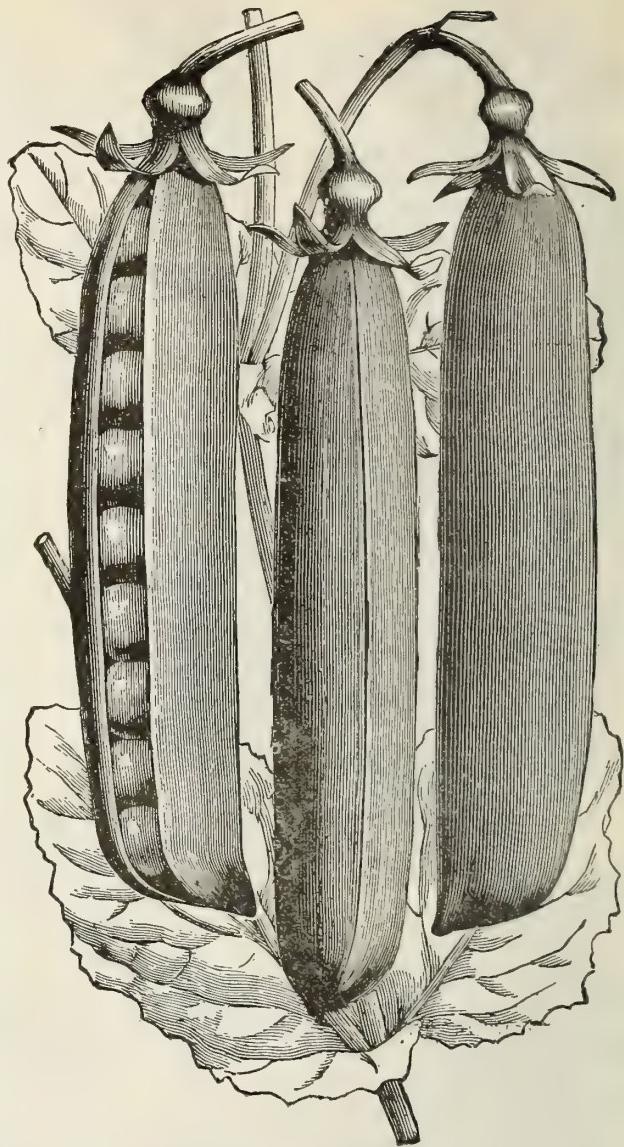
ADVANCER. Vine 26 to 30 inches, vigorous in growth, productive. Pods 2¾ to 2½ inches, broad, well filled. Peas slightly under medium size, of good quality. Suitable for use soon after Thomas Laxton. The variety has been extremely popular for both the market and home garden and is yet considerably grown for which there is now no sufficient reason as both the Gradus and Thomas Laxton are in every respect superior. Postpaid, ½ pt. 14c., pt. 23c., qt. 40c.; by express or freight, ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. \$1.25, bush. \$4.50.

HOSFORDS MARKET GARDEN. Vine 26 to 30 in., hardy and exceedingly productive. Pods 2½ to 2¾ inches, produced in pairs, not as well filled as some but produced more abundantly than those of any other variety. Peas of medium size and good quality, 71 days. That above statements regarding the productiveness of this variety are correct is proved by the fact that it is very largely used by canners, probably to greater extent than any other wrinkled variety. *Prices same as of Advancer.*

YORKSHIRE HERO. Vine 26 to 30 in., stout and branching, hardy and productive. Pods 3 to 3½ inches, broad, borne at top of vine well packed with large peas more mealy than some, but of especially rich flavor, and which remain a long time in good condition in fact never become as hard as most sorts, 79 days. *Prices same as of Advancer.*

CHAMPION OF ENGLAND. Vine 4 to 5 ft., productive. Pods 2¾ to 3 inches, broad, well filled. Peas of medium size, much shriveled, not surpassed in richness, sweetness and flavor by any other variety, superior in these qualities to many and for many years the standard by which all others have been judged. 80 days. *Prices same as of Advancer.*

IMPROVED STRATAGEM. Vine 24 to 28 ins., of vigorous habit, luxuriant foliage, with good culture, productive. Pods 3⅓ to 4 inches, broad, attractive, well filled. Peas extra large and of finest quality, 81 days. Unfortunately somewhat inclined to sport, which tendency however has, in great measure been overcome in the improved strain we offer. Aside from this objection the Strategem is one of the best of its class and though not nearly as popular as the Telephone there is no reason why it should not be as the peas, while fully equal in quality, are larger and more are obtained from an equal measure of pods, features which largely off-set the now slight tendency to sport. Postpaid, ½ pt. 14c., pt. 26c., qt. 45c.; by express or freight, ½ pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c., ½ pk. \$1.00, pk. \$1.75, bush. \$6.50.



THOMAS LAXTON PEA.

SHROPSHIRE HERO. Vine 32 to 36 inches, of robust habit very productive. Pods 3½ to 3¾ inches, broad and handsome and though appearing not to be especially well filled it is doubtful if any other pea in our list will yield as many peas from the same quantity of pods. Of the best quality. Especially desirable for the home garden and should be more generally grown, 80 days. *Prices same as of Advancer.*

TELEPHONE. Vine 3½ to 4 ft, with large, coarse, light colored leaves; with good culture on rich soil very productive. Pods 3¾ to 4 inches, broad, attractive but though appearing to be thicker than those of the Stratagem will not produce as many peas from an equal measure of pods as either the Stratagem or Shropshire Hero. Peas large and of the best quality, 71 days. The most popular variety of its class with market-gardeners. *Prices same as of Stratagem.*

EVERBEARING. Vine 36 to 40 inches, vigorous and branching, productive, remaining in bearing longer than other varieties. Pods 2½ to 3 inches, broad, borne at top of vine. Peas very large of finest flavor and quality, 80 days. Especially desirable for the home garden. *Prices same as of Advancer.*

BLACK EYED MARROWFAT. Vine 4 to 5 ft., very productive. Pods large, well filled. Peas large, smooth, mealy. The variety is the best of its class which in quality of peas is greatly inferior to all the wrinkled sorts. Postpaid, ½ pt. 10c., pt. 18c., qt. 30c.; by express or freight, ½ pt. 6c., pt. 10c., qt. 15c., 2 qts. 25c., ½ pk. 45c., pk. 75c., bush. \$2.60.

POTATOES

CHOICE NORTHERN
GROWN SEED.

Progressive Farmers Change Seed Often BECAUSE IT PAYS.

On all orders of five barrels or over, 25 cents per barrel may be deducted from prices quoted.

Extra Early Varieties

EARLY BOVEE. Resembles the Queen; of good size, but few small tubers; of best quality. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

EARLY SIX WEEKS. Of good quality even when hardly full grown, keeps well; form round slightly inclined to oblong; color light red or rose. Pk. 60c.; bush. \$1.75; bbl. \$4.25.

EARLY HARVEST. An early white variety of finest quality. Vine unusually vigorous and productive. Pk. 60c.; bush. \$1.75; bbl. \$4.25.

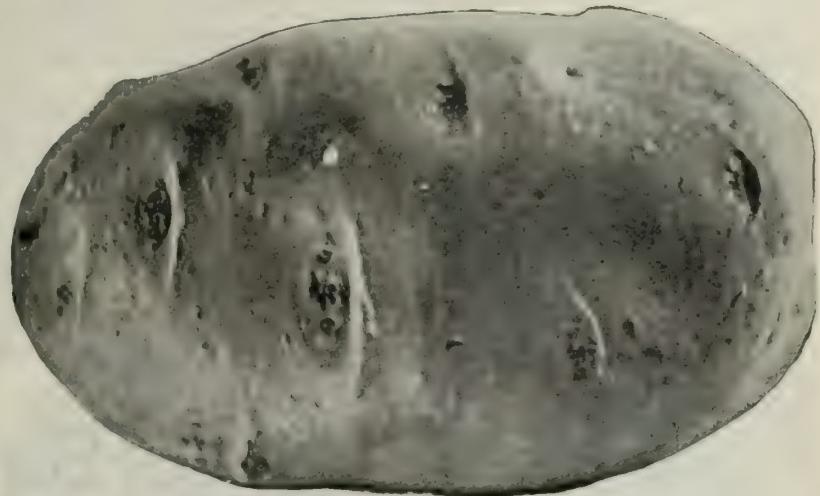
EARLY NORTHER. Closely resembles the Rose of better form. Very popular. Pk. 40c.; bush. \$1.65; bbl. \$4.00.

IRISH COBBLER. Large and of excellent quality, round to oblong. By far the most popular early white variety. Vine very stocky withstands drought better than other early sorts; productive. Pk. 60c.; bush. \$1.75; bbl. \$4.25.

EARLY ESSEX. A seedling of the Rose which it resembles. Pk. 60c.; bush. \$1.75; bbl. \$4.25.

CLARK'S No. 1. An old favorite of excellent quality. Resembles the Rose. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

BEAUTY OF HEBRON. One of the most popular varieties. Perhaps more extensively grown than any other. Productive, early and of the best quality. Pk. 50c.; bush. \$1.65; bbl. \$4.00.



EARLY SIX WEEKS

EARLY ROSE. The standard with which new early varieties are compared. Pk. 50c. bush. \$1.65; bbl. \$4.00.

EARLY THOROUGHBRED. Matures with the Rose and resembles it; but few small tubers; of fine quality. Vine hardy and productive. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

NEW QUEEN. A very popular sort. Closely resembles the Beauty of Hebron but is considerably earlier. A heavy yielder and of excellent quality. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

Second Early, or Medium Varieties

SPAULDING'S No. 4. In color resembles the Rose, somewhat similar in shape but inclines to oblong. Uniform in size, of good quality, seldom rots. Has a record of 479 bushels to the acre, and in a comparative test proved the heaviest yielder of 190 varieties. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

DELAWARE. Succeeds well in all soils. A valuable combination of size, yield and quality. White throughout. Shape oblong. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

PROLIFIC ROSE. One of the heaviest yielders of all the Rose seedlings. A little later than the Early Rose; shape similar, color the same, except that the seed end is nearer red. Pk. \$50.; bush. \$1.65, bbl. \$4.00.

Late, or Main Crop Varieties

GREEN MOUNTAIN. Of flat oval form. White, smooth and attractive. Ripens slowly and keeps well, of excellent quality. Very productive. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

GOOD TIMES. A new and very productive variety. Tubers are very attractive never prongy or ill-shaped. Vine of vigorous growth, heavier than the Green Mountain and has so far proved rust proof. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

CARMEN NO. 1. Shape round or globular, skin white, shallow eyes; not inclined to rot in field or cellar; of excellent quality. Late in ripening, but yields large crops of fine marketable potatoes. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

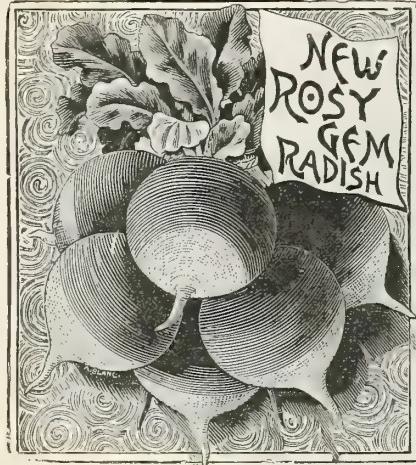
RURAL NEW YORKER NO. 2. Very large and smooth; in form, oblong inclined to round; skin and flesh white. Of superior quality. A large cropper. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

CARMEN NO. 3. A Handsome round white variety of the best quality, large, almost no small tubers. Claimed by the introducer to outyield any potato of its class. Vines large and vigorous, not troubled by bugs or blight as much as those of other sorts. Pk. 50c.; bush. \$1.65; bbl. \$4.00.

Radish

One ounce
will sow
100 feet
of drill.

Radishes are now grown the entire year and may be sown when desired in hot-beds with moderate heat, either in rows six inches apart or broad-cast. Soil should be light and rich, preferably new soil and fine, rotted turf and commercial fertilizer. Seed may be sown outside very early, as soon as ground can be worked, in rows six to twelve inches apart,



stimulating rapid growth, without which radishes are tough and stringy.

Prices of all varieties. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1 lb. 25c., lb. 83c., postpaid; by express or at counter, lb. 75c., five pounds or over 60c., per pound.

EARLY SCARLET TURNIP. A small, round variety, with small tops and of quick growth. Popular both for forcing and out-door planting. Deep scarlet.

EARLY SCARLET TURNIP. WHITE TIPPED. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for both forcing and out-side planting.

ROSY GEM. A selected strain of the preceding, tops small, very early.

NON PLUS ULTRA, or DEEP SCARLET FORCING. One of the earliest; tops very small, especially suited for forcing. Color deep, rich red; form, globular.

SCARLET GLOBE. The shape of this when first large enough for use is oval, in later stages of growth more nearly globular. Brilliant red, which it holds long after pulling. Tops are a little larger than those of some varieties, but it is, nevertheless, largely used for forcing because it is seldom pithy, excelling in this respect any other variety either when planted under glass or out doors.

FRENCH BREAKFAST. A stump-rooted radish; longer than the preceding varieties, often slightly larger at bottom of root than at the top. Bright scarlet, tipped white. An old favorite yet popular for the home garden, but little used by market gardeners.

EARLY LONG SCARLET, SHORT TOP. Once the most popular radish, but has been largely displaced by the round varieties. Six to eight inches long; ready to pull in twenty-five to thirty days from sowing.

WOOD'S EARLY FRAME. Similar to Long Scarlet, but shorter, of more brilliant color and slightly thicker at top, matures quicker and is more largely used for forcing.

CHARTIER, or SHEPHERD. A long variety, distinct, and one of the handsomest. Color, red at the top, shading through pink in the middle to white at the tip. Attains a very large size before being unfit for use. Too large to be used for forcing, but a desirable variety for out-door growing.

WHITE STRASBURG. A fine summer variety, growing about four inches long and two inches thick. Pure white.

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use.

CHINESE ROSE WINTER. A popular winter variety, roots cylindrical, slightly larger at the bottom, terminating abruptly. Grows about one-half above ground. Color of upper part scarlet, shading to rose in lower portion; 6 to 8 inches long.

Prices of all varieties. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 83c., postpaid; by express or at counter, lb. 75c., five pounds or over, 60c. per lb.

Salsify or VEGETABLE OYSTER

One ounce will sow 50 feet of drill.

Sow early and deeper than parsnip, otherwise culture is the same and like that, roots, if desired, may be left in ground through the winter, but should be dug very early in the spring as they deteriorate rapidly after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of stronger growth and less liable to grow prongy than the old Long White. Pkt. 5c., oz. 15c., 2 ozs. 25c., 1 lb. 30c., lb. \$1.00.

Spinach

One ounce will sow 50 feet of drill; fourteen to sixteen pounds to the acre.

Spinach thrives only on rich land, the richer the better. For earliest use sow in August or September, in drills twelve to fourteen inches apart, covering seed one inch. Plants should stand two inches or more apart. Protect with a light covering of leaves or straw which should be removed at first signs of new growth in spring. For later or early summer use sow as early as ground can be worked in the spring. The entire crop should be cut before hot weather, as after, the leaves quickly become tough, stringy and of poor flavor. Prices of all except Savoy Leaved. Oz. 5c., 1 lb. 10c., lb. 33c., postpaid; by express or freight or at counter, lb. 25c., 5 lbs. \$1.00; 100 lbs. \$15.00.

ROUND THICK LEAVED. Leaves large, thick, fleshy and slightly crumpled. More extensively grown than others, and used for both spring and fall sowing.

EARLY GIANT THICK LEAVED. Leaves very large and thick, deep green, attaining a size suitable for use earlier than the preceding and plant grows to a larger size before running to seed.

LONG STANDING. A variety which matures early and remains in condition for use longer than most others. Leaves smooth, rich dark green.

VICTORIA. Leaves large, exceedingly thick, very dark green, slightly curled in the center. A little later than Long Standing but surpasses even that in the desirable feature of remaining in condition for use for a long time. Especially desirable for spring sowing.

SAVOY LEAVED or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed, and crimped like those of the Savoy cabbage. Oz. 5c., 1 lb. 15c., lb. 43c., postpaid; by express, lb. 35c., 5 lbs. \$1.50.

Squash

One ounce of the small-seeded varieties will plant 30 to 40 hills; of the large-seeded varieties, 12 to 15 hills.

The squash is very tender and should not be planted until all danger of frost and cold nights is passed. It thrives best in warm soil which can hardly be made too rich; manure should be worked well into the soil over the entire area and hills should have a liberal quantity of that which is well rotted. To avoid borers it is more or less the custom to plant as late as possible and is often done as late as the middle of June; in such case an application of commercial fertilizer or nitrate of soda greatly hastens the first growth. The early bush varieties are generally planted in hills about five feet apart and the running varieties about ten. Thin to three plants to the hill.

MAMMOTH WHITE BUSH SCALLOP. An improvement on the old variety, larger, pure white and superior in quality. Prices same as of Summer Crook-neck.

EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1 lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

MAMMOTH SUMMER CROOKNECK. Vine larger and of more vigorous growth than the Summer Crookneck and fruit is twice as large, and deeper colored. Its large size and attractive appearance have made it popular with market gardeners. Prices same as of Summer Crookneck.

FORDHOOK. An early running variety, suited for either summer or winter use. Fruit small, oblong, eight to ten inches in length, with smooth, thin skin, bright yellow, flesh straw yellow, dry, sweet and of fine flavor. Excellent for baking or for pies; a remarkable keeper. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1 lb. 25c., lb. 88c., postpaid; by express, lb. 80c.



COPYRIGHT, 1893, BY M.B.FAXON CO.

THE FAXON. A very desirable variety for the home garden, very productive, of medium size (five or six pounds), fine grained, dry, sweet, a good keeper, uniform in shape, but varied in color. This variation in color is a distinct feature of the squash. While some of the ripe squashes are pale yellow, with still paler yellow stripes, others are green, mottled and faintly striped with a light green. Prices same as of Fordhook.

SQUASH--CONTINUED.



Essex Hybrid.

Prolific Marrow. (Dunlap's.) The earliest fall variety; from a week to ten days earlier than any other Marrow. Color deep orange. Skin considerably pitted. Not as thick meated as the Orange Marrow nor quite equal in quality, but especially desirable on account of its earliness and also because it is very prolific. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 85c.

Orange Marrow. Also an early variety, generally considered identical with the Prolific Marrow, but differs sufficiently to be catalogued as a variety. It is identical in color and pitting, but is more nearly round, later, much thicker meated and of better quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Boston Marrow. This grows larger than either of the preceding but is not of so deep color. Skin thin, yellow with pinkish tint. Desirable for pies but not as dry as the Hubbard. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Essex Hybrid. A cross between the Hubbard and old Turban, partaking somewhat of the features of both. Like the Hubbard, it is hard shelled. In color it is like the Turban and in form somewhat resembles it, but an improvement. Of fine flavor and quality and an excellent keeper. (See cut.) Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

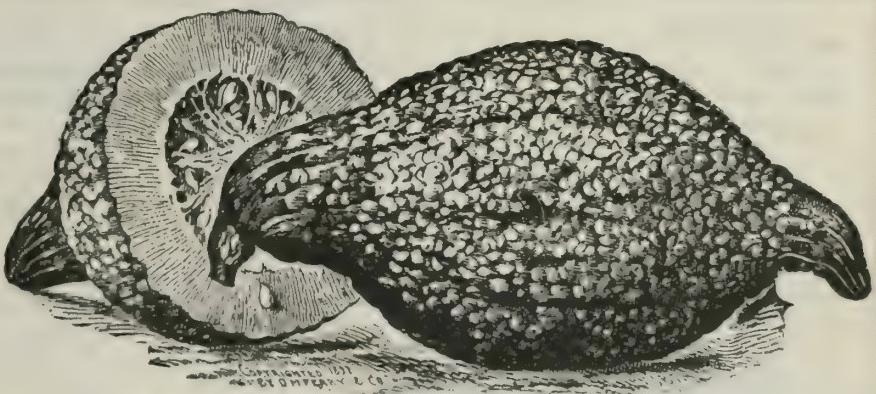
Bay State. Similar in shape to the Essex Hybrid; shell slate color and harder, and flesh is dryer than of that variety. Of excellent flavor and very solid. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Warren. Similar in shape to the Essex Hybrid, but of richer color, a very deep orange. Shells also are thicker and are rough and warty. Claimed to be of better quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 30c., lb. 90c.

GOLDEN HUBBARD.

This has now become a standard variety, and as extensive as our list of varieties now is this is yet a decided acquisition.

It is a distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange red instead of the dark olive green of the old Hubbard, while the flesh, which is thick, is a little deeper colored, of fully as good quality, fine grained and dry. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 30c., lb. \$1.00.



Hubbard. A well-known and favorite winter variety, more largely grown than any other. Very hard shelled, skin dark green, flesh yellow, fine grained, sweet, dry, and of the best flavor. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Chicago, or Warted Hubbard. A selection of the Hubbard with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain, unsurpassed by any we have ever seen. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

GOLDEN BRONZE.

The introducers say of it: "A cross, some four years ago, of the Bay State and Boston Marrow. In form the same as the last named, with stem and blossom end precisely like that variety; also having that peculiar wrinkled appearance of the skin like the Boston Marrow. Size averaging from eight to ten pounds; color a dark greyish green, with bronze on upper surface when ripe; flesh an exceedingly bright golden yellow. Fine grained, very sweet and of delicious flavor. Early in maturing, a good keeper and yielder. Squashes are of very uniform size and appearance. As a squash, combining the qualities desired for the table and pies, this has no superior. Specimens grown in 1897 were kept until June, 1898." Pkt. 5c., oz. 10c., 2 ozs. 20c., $\frac{1}{2}$ lb. 30c., lb. \$1.00.



Golden Bronze

Marblehead. Form oval, shell hard, slate-colored. Dry, of delicious flavor and a good keeper. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Sibley, or Pike's Peak. A fine old variety; dry, fine-grained and of rich, delicate flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 90c.

Large Winter Crookneck. Vine resembles that of the pumpkin, easily grown. Seldom troubled by borers, very productive; of fair quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Mammoth Chili. The largest variety, attaining under special cultivation an enormous size, and often weighing 200 pounds or over. Pkt. 10c., oz. 20c., $\frac{1}{2}$ lb. 60c.

TOMATO

SPARKS' EARLIANA

The Largest Early Smooth Tomato

This new extra early variety is exactly what many gardeners have for a long time desired — an extra early which would, if not equal the later varieties, more nearly approach them in size, smoothness and quality than any of those of previous introduction. In the Earliana we have one that at the very least compares favorably with later varieties in size and smooth, regular form, and surpasses many of them in solidity, having a smaller seed cavity and fewer seeds than almost any other variety, while in quality it ranks with the best. It has also the merit of ripening a good proportion of its fruit early, and on this account alone is a profitable variety for the market gardener. The vine is of rather slender habit, hardy and productive, and produces its handsome deep red fruit in clusters of five to eight.

Price. Pkt. 10c., $\frac{1}{2}$ oz. 20c.; oz. 35c., 2 ozs. 60c., $\frac{1}{2}$ lb. \$1.00.

Atlantic Prize. An extremely early variety of medium size; bright red.

Acme. An old, yet still popular variety. Fruit of good size; bright pink.

Livingston's Perfection. One of the most popular large red

The five varieties at uniform prices. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 75c.

IMPERIAL

ONE OF THE MOST PRODUCTIVE

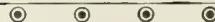


The Imperial was originated by a market gardener, a large grower of tomatoes, who said of it at its introduction: "My experience with it is that it is the earliest, most solid, and most productive, perfectly smooth tomato on the market. It ripens evenly, is the best flavored, and more than twice as productive as any other known variety. It is the handsomest tomato grown; I always get first premium at the fairs." Color purplish crimson.

Price. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 75c.

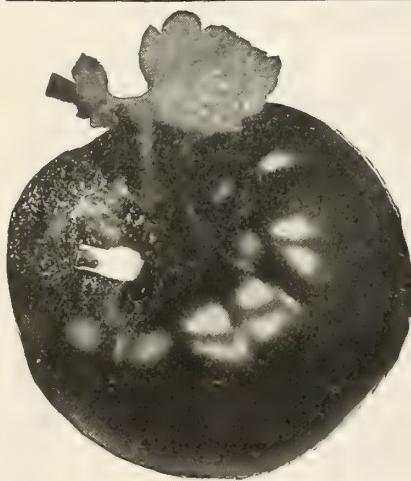
TRUCKER'S FAVORITE

THE FINEST LARGE-FRUITED PURPLE TOMATO

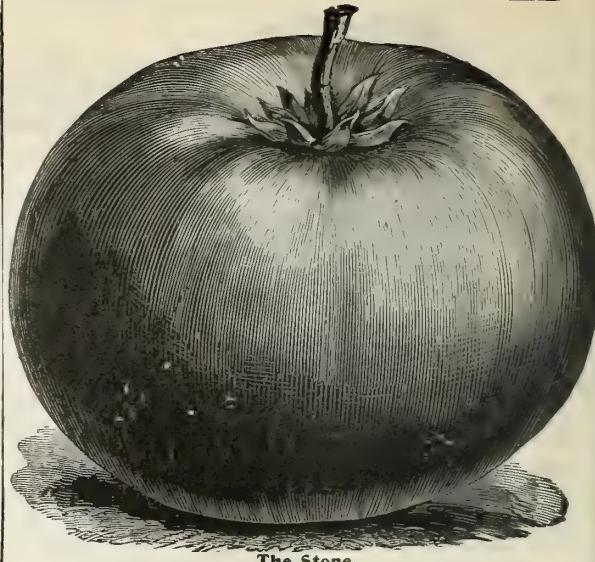


This new variety is very uniform in size, thick meated and very solid. Although very large it is always smooth, ripens **evenly**, and is of the finest flavor. The vine is of strong, vigorous growth, not subject to rust or blight, and produces enormous crops, yielding well throughout the season until killed by frost.

Price. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 30c., 2 oz. 50c., $\frac{1}{2}$ lb. 85c.



Dwarf Stone



The Stone

tomatoes. Fruit is very solid with not a large amount of seed. Vine hardy and productive.

Livingston's Favorite. Very similar to Perfection.

Livingston's Beauty. Fruit large, solid, and smooth; purplish pink.

The five varieties at uniform prices. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 75c.

THE STONE

A FAVORITE FOR MARKET OR SHIPPING

Since its introduction this has steadily increased in favor with market gardeners on account of its exceptional firmness and great productiveness. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, thicker from stem to blossom end than most varieties; perfectly smooth, making it very handsome and salable.

Price. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 75c.

Three Dwarf Varieties

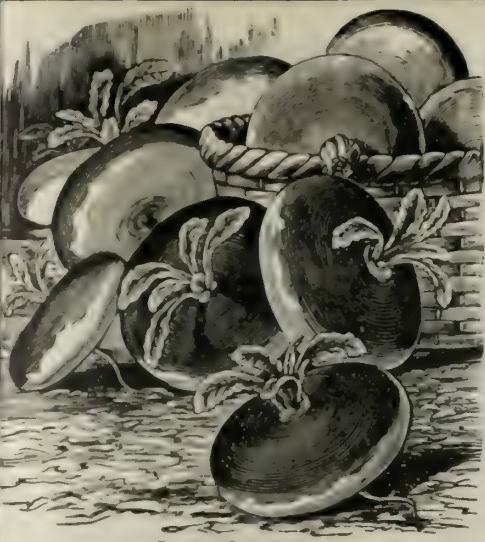
Which on account of their dwarf habit and compact form may be set much closer than the ordinary type

Livingston's Dwarf Stone

A new variety from the Livingstons. They say of it: "In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles Livingston's Stone in color, shape, and what is more remarkable for an erect sort, it is practically of the same size. Ten fruits picked from one vine at same time weighed five pounds, three ounces. Five fruits selected by eye for average size weighed two pounds, nine ounces. This was under field cultivation on farm land, with no fertilizer. Specimens weighing one pound each are quite common. The New Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as early. It is fully as prolific, and consequently vastly more productive. We consider this one of our best productions, one that will meet with general favor; especially will this be true with the class of growers whose gardening is limited to a few acres, and where economy in saving land must be taken into account. **Price.** Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., 2 oz. 60c., $\frac{1}{2}$ lb. \$1.00

Dwarf Champion. Vine dwarf and compact, early and productive. Fruit of medium size, in color deep purplish red. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{2}$ lb. 75c.

Dwarf Aristocrat. Of similar habit to Dwarf Champion. Preferred by some on account of its color, which is bright red. Prices same as for Dwarf Champion.



Purple Top Milan.

Turnip



The following list comprises the best varieties in cultivation and all the good ones that are to any extent distinct. We see no reason for including several varieties generally catalogued which are either similar or inferior to those offered. Our Turnip seed is the best the world affords:

Early White Milan. The earliest, showiest and best early white turnip ever offered. The pure white roots are very smooth and handsome, tops small, upright and compact, allowing a close planting. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Early Purple Top Milan. Similar to the White Milan, but a little flatter and purple on top; an excellent variety. Superior to the well-known Purple Top Flat. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Early Purple Top. Strap leaved. This well-known variety is yet the most popular early one, although not equal to the Early Top Milan. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Early Snow Ball. Pure white, round, of medium size and fine quality. Fit for use six weeks after planting. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Early Purple Top White Globe. One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. Owing to its strong growth should be more severely thinned than other early varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

White Egg. Also a very attractive variety and of superior quality. Egg-shaped, pure white. Grown to some extent for early use, and is a very popular winter variety. A fine keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Yellow Globe. The standard yellow variety. Round, slightly flattened. Largely grown for stock and to some extent for market. An excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Golden Ball, or Orange Jelly. The handsomest yellow variety. Of perfectly globular form and of rich orange color, superior in both shape and color to the Yellow Globe. The flesh is pale amber, fine grained, mild and sweet. It is equal as a keeper to any other variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

SWEDISH, RUSSIAN OR RUTA BAGA

White French, or Rock. A very delicate flavored variety; an excellent keeper; fine for table. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

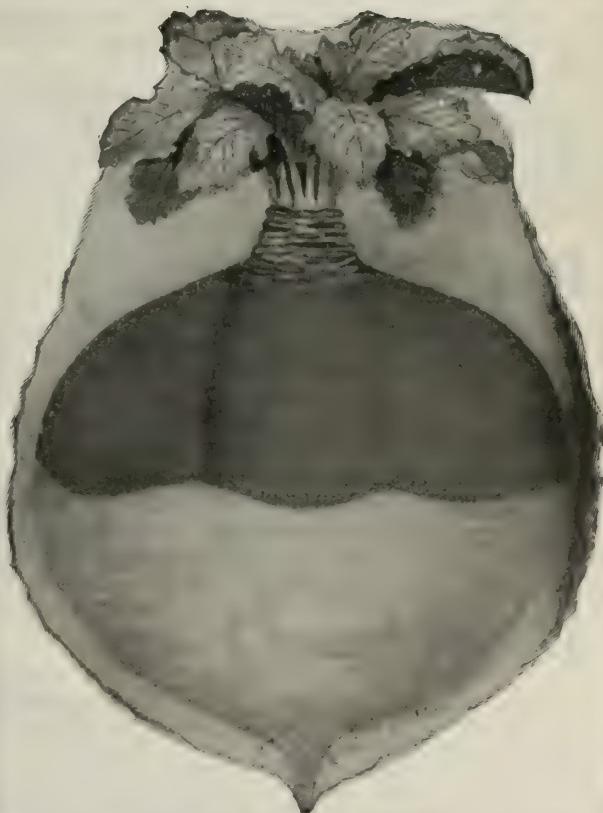
Sweet German. A white globe-shaped sort. Superior for table use. Of excellent quality; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Breadstone. A medium sized quick growing variety; white, faintly colored at top; exceptionally tender and sweet. One of the best table varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

Budlong. Originated in Rhode Island by Mr. Budlong, a very extensive grower of Ruta Bagas. Earlier and more nearly round than other white varieties of this class. An excellent strain. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Shamrock. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.

Long Island Improved. This is undoubtedly the finest variety of Purple Top Ruta Baga, and is of American origin. It grows much larger than other American varieties, is therefore desirable for stock, but equally desirable for the table and market as it is tender and sweet and of very attractive appearance. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 50c.



Long Island Improved Swede

HERBS.

Sweet
or Pot.

	PKT.	OZ.		PKT.	OZ.
CARAWAY,	\$.05	\$.10	SAGE,	\$.05	\$.20
CORIANDER,	.05	.10	SUMMER SAVORY,	.05	.20
DILL,	.05	.15	SWEET MARJORAM,	.05	.20
FENNEL,	.05	.15	THYME,	.05	.40

Grain and Miscellaneous Seeds for Forage Crops

PRICES SUBJECT TO CHANGES OF THE MARKET.

Barley

For grain, 2 bushels to the acre;
for forage, 3 bushels.

CHEVALIER. Two rowed, more largely used for forage than the six rowed. Seed grown on the irrigated lands of Montana, very plump, extra heavy and nearly white. Pk. 45c., bush. (48 lbs.) \$1.50.

MANSURY. Six rowed, a popular variety. Pk. 40c., bushel \$1.40.

BEARDLESS. Earlier than any bearded variety and entirely free from beards. Pk. 40c. bush. \$1.50.

Buckwheat

For grain, one bushel to the acre;
for soiling, 1½ bushel.

JAPANESE. By far the best variety. Earlier, yields better and grain is larger than of other kinds. Pk. 45c., bush. (48 lbs.) \$1.50.

Oats

For grain, 2½ bushels to the acre; for forage, 3 bushels, or with Canada peas, one to 1½ bushel.

AMERICAN. Selected, heavy and well cleaned. Pk. 20c., bush. (32 lbs.) 85c.

CLYDESDALE. (American grown). Extra heavy, much more desirable for grain crop than preceding. Pk. 35c., bush. (32 lbs.) \$1.25.

LONG'S WHITE TARTAR. Claimed to be the earliest, heaviest and most prolific domestic-grown Oat in cultivation, and suitable for all soils. The straw is long and stout, and does not easily lodge. The heads are from 8 to 10½ inches in length, while the kernels are very large, plump and heavy. Pk. 35c., bush. \$1.25.

Rye

For grain, one bushel to the acre;
for forage or soiling, 1½ bush.

SPRING RYE. Pk. 50., bush. (56 lbs.) \$1.75.

WINTER RYE. Pk. 40c., bush. (56 lbs.) \$1.35.

Wheat

1 to 1½ bushel to the acre.

SPRING. Pk. 60c. bush. (60 lbs.) \$2.25.

WINTER. Rapidly increasing in favor as an early forage crop. Price liable to be either lower or higher according to crop. Write for price in early fall. Pk. 55c. bush. \$2.00.

Dwarf Essex Rape

Used both for green manuring and for pasturing sheep and hogs, and is considered by many to be the cheapest feed for these animals and to leave the land in an improved condition after the crop has been eaten by them. Sow as soon as frost is out of ground, the crop will be ready for pasturing in about six weeks. Sown in drills, two and one-half feet apart, it will require about three pounds per acre, broadcast about double that quantity. Price, 1b. 12c., 1b. by mail 25c., 10 lbs. \$1.00, 25 lbs. or over, 9c. per pound.

Peas Canada Field

Sown alone, 1½ bushel to the acre; with oats, one bushel.

These are extensively planted for green forage, generally with oats but are sometimes sown with barley. They are also sown alone for plowing into the soil and for making into hay. Pk. 50c., bush. (60 lb.) \$1.75.

Vetches

Sown alone, 1½ bushel to the acre;
with oats or rye ½ to ¾ bushel.

SPRING VETCH, OR SPRING TARE. Used for same purpose as Canada peas. Pk. 75c., bushel (60 lbs.) \$2.75.

WINTER, SAND or HAIRY VETCH. This thrives on poor, sandy soil, and will produce heavy crops of hay or green forage. It is perfectly hardy, may be sown either in spring or fall, and will remain green through the winter. It is claimed to be more satisfactory than Crimson Clover, as it may be sown later and produces a larger crop of green foliage earlier in the spring. It makes an excellent cover crop, preventing washing by winter storms. It may be sown with rye, the latter making a support for the vine. Lb. 12c., 10 lbs. \$1.10, 100 lbs. \$10.50.

COW PEA. This is not only an excellent forage plant, but a great soil enricher as well, and has been rightly termed the "poor man's bank," as, in common with all leguminous plants it increases the fertility of the soil upon which it grows. Seeds may be planted in drills or broadcast; the amount varying from 8 quarts to 2 bushels per acre, less of course being required if sown in drills 18 to 30 inches apart than when broadcast. It may be covered to the depth of 2 or 3 inches. While there are a number of varieties, we have not thought it necessary to offer but two. Of these the Whippoorwill is here used much in excess of the other.

CLAY. Pk. \$1.00, bush. (60 lbs.) \$3.75.

WHIPPOORWILL. Pk. \$1.00, bush. \$3.65.

SOY, OR SOJA BEAN. ½ to ¾ bushel to the acre in drill 2½ to 3 feet apart.

This is another valuable legume growing in favor for forage and ensilage, succeeding fairly well on land too light for clover.

MEDIUM EARLY YELLOW. Pk. 85c. bush. (60 lbs.) \$3.00.

MEDIUM EARLY GREEN. Pk. \$1.15, bush. \$4.00.



DWARF ESSEX RAPE.

Grass Seeds Fancy, or Choice Grade



Prices of all grass seeds subject to market changes. If desired by mail add 8 cents per pound to prices quoted.
25 lbs. at the 100 lb. rate.

Awnless Brome Grass. (*Bromus Inermis*) A hardy and productive grass, living on very dry and poor soil where most other grasses would not grow. Lb. 18c., 100 lbs. \$15.00.

Canada Blue Grass. (*Poa Compresaria*) Thrives on poor dry soil and also on hard clayey ground, withstands extremes of drought or wetness, bears trampling well and remains green till winter. A valuable grass for pastures. Lb. 18c., 100 lbs. \$15.00.

Creeping Bent. (*Agrostis Stolonifera*) Of rapid growth, fine texture and spreading habit. Forms a very close and permanent sod. Especially valuable for lawns. Lb. 30c., 100 lbs. \$26.00.

Crested Dogs-tail. (*Cynosurus Cristatus*) Thrives best on moist rich soil, but accommodates itself to nearly all soils. Grows well in the shade. Valuable in moderate quantity for permanent pasture and lawns. Lb. 45c., 100 lbs. \$40.00.

English or Perennial Rye Grass. (*Lolium Perenne*) Of rapid growth and productive; produces a strong growth in four or five weeks. Made into hay it is rather hard but is very nutritious and is much relished by cattle and horses. Lb. 12c., 100 lbs. \$9.00.

Hard Fescue. (*Festuca Duriscula*) A variety of sheep's Fescue of dwarf habit, like that thrives on poor soil and is very hardy. Lb. 20c., 100 lbs. \$15.00.

Italian Rye Grass. (*Lolium Italicum*) Thrives on a variety of soils, producing early and large crops. Though a perennial it is short lived and generally treated as an annual. Valuable for soiling. Sown in the fall will produce a large crop of hay the following season. Lb. 12c., 100 lbs. \$9.00.

Kentucky Blue Grass. (*Poa Pratensis*) One of the most valuable grasses for pasture and lawn, requires sometime to become established but lasts indefinitely on congenial soils. Lb. 25c., 100 lbs. \$23.00.

Meadow Fescue. (*Festuca Pratensis*) Largely used for both temporary and permanent mowing mixtures. Though at once productive it does not reach its full production for two or three years, when it surpasses most other grasses. Should be sown on cool moist soil, rich in organic matter. Should not be sown on dry soils. Lb. 22c., 100 lbs. \$20.00.

Meadow Foxtail. (*Alopecurus Pratensis*) A very early grass of great value for pastures sown with other grasses on rich moist land. Lb. 30c., 100 lbs. \$25.00.

Meadow Brome Grass. (*Bromus Pratensis*) Similar to Awnless Brome but does not grow as tall. Like that thrives on dry poor soil; makes good hay if cut before flowering. Lb. 20c., 100 lbs. \$15.00.

Medium Red. (*Trifolium Pratense*) The well-known red clover. Lb. 25c., 100 lbs. \$24.00.

Mammoth or Pea Vine. (*Trifolium Pratense var.*) A variety of the preceding of larger growth. Lb. 26c., 100 lbs. \$25.00.

Alsike or Swedish. (*Trifolium Hybridum*) Hardy, productive, fragrant succeeds best on stiff, cold soils. Lb. 22c., 100 lbs. \$21.00.

Orchard Grass. (*Dactylis Glomerata*) One of the most valuable grasses, in the opinion of some should form the base of most mixtures for both permanent meadows and pastures. Very early and productive, bears well frequent mowing and constant cropping, and is more nutritious than Timothy. Lb. 20c., 100 lbs. \$18.00.

Red or Creeping Fescue. (*Festuca Rubra*) A creeping rooted grass, forming a close firm turf, thriving in poor soil and exposed situations. Grows well in the shade. Lb. 20c., 100 lbs. \$16.00.

Red Top. (*Agrostis Vulgaris*) Next to Timothy the most largely used grass, succeeds best on moist soil but thrives well on a variety of soils and is valuable for permanent mowing, pastures and lawns.

Recleaned or Fancy. Lb. 15c., 100 lbs. \$14.00
Common or Chaff. Lb. 7c., sack of 50 lbs. \$2.50.

Rhode Island Bent. (*Agrostis Canina*) Of fine growth, forming a close and permanent sod. One of the best lawn grasses and desirable for pasture mixtures. Lb. 25c., 100 lbs. \$22.00.

Rough Stalked Meadow Grass. (*Poa Trivialis*) Thrives on moist rich land. Valuable for both meadows and pastures but should be used only in mixtures. Especially desirable for shaded lawns. Lb. 45c., 100 lbs. \$40.00.

Sheep's Fescue. (*Festuca Ovina*) Of low, dense growth, thriving on dry soils; valuable for pastures. Lb. 18c., 100 lbs. \$15.00.

Sweet Vernal. (*Anthoxanthum Odoratum*) Used in small quantity in both meadow and pasture mixtures on account of its pleasing fragrance and is especially desirable for the pasture, because of its both early and late growth. True perennial variety, Lb. 75c.

Tall Meadow Fescue. (*Festuca Elatior*) On strong, moist or clayey soils, very productive and permanent. Very nutritious, readily eaten by all stock; should form a part of all meadow and pasture mixtures for moist soil. Lb. 30c., 100 lbs. \$28.00.

Tall Meadow Oat Grass. (*Arena Elatior*) A very hardy species, making a very early and luxuriant growth and continuing to grow until late in the fall and is therefore especially desirable for pastures. It makes good hay and when used for soiling can be cut several times in the season. Lb. 22c., 100 lbs. \$18.00.

Timothy. (*Phleum Pratense*) More largely used than any other grass, but often when other varieties would be more profitable.

Worcester Grade. Always the highest grade of heavy recleaned seed. Lb. 10c., bushel (45 lbs.) \$3.00. Prime Grade. Lb. 9c., bushel \$2.75

Various Leaved Fescue. (*Festuca Heterophylla*) Of early growth and permanent, thriving best in cold, moist land, rich in humus and potash. Grows well in the shade. Valuable in mixtures for permanent mowing, pastures and shaded lawns. Lb. 25c., 100 lbs. \$22.00.

Wood Meadow Grass. (*Poa Nemoralis*) A very early, hardy and permanent species, valuable for shaded lawns and permanent pasture mixtures. Lb. 50c., 100 lbs. \$45.00.

CLOVERS

White. (*Trifolium Repens*) Used in nearly all mixtures for lawns and valuable for pasture mixtures. Lb. 25c., 100 lbs. \$24.00.

Crimson. (*Trifolium Incarnatum*) An annual used for soiling and for plowing under to enrich the soil. Lb. 10c., 100 lbs. \$9.00

Alfalfa. (*Medicago Sativa*) Grown extensively in the West and in some parts of the South. While its growth in the East is yet in the experimental stage demand for seed increases yearly. Lb. 22c., 100 lbs. \$21.00.

MILLETS

Hungarian Grass. (*Panicum Germanicum*.) Used extensively in New England for forage and to some extent for hay. It withstands drought well, succeeds on any ordinary soil, and on rich land two crops may be grown the same season. 48 lbs. to the bushel. One bushel per acre. Bush., \$1.40.

German or Golden Millet. (*Setaria Italica*.) Of stronger, ranker growth than the preceding and requires richer land. It has an abundant foliage; is, therefore, an excellent forage crop and makes a coarse, rather harsh hay, but which is readily eaten by all kinds of stock if cut at the proper time. 50 lbs. to the bushel, $\frac{3}{4}$ to 1 bushel per acre. Bush., \$1.50.

Siberian or Russian Millet. Of this comparatively new Millet the largest dealer in grass seeds in this country says: "Siberian, sometimes called Russian Millet, has been grown for a number of years past in this country and has largely taken the place of German and Common Millet, as well as Hungarian. We have made extensive inquiries and the general reports are that the plant grows larger than Common Millet, with beard and chaff similar to Hungarian; the plant making a ranker growth, produces more leaves than either Common Millet, German Millet, or Hungarian; leaves starting close to the ground and continuing nearly to top of stem; leaves wide and tender, making it preferable to other Millets for hay. Yields a hay reported $\frac{1}{2}$ to $\frac{1}{2}$ more per acre, besides hay softer when cured, greener in color and preferred by stock to other hay or millets. It matures about the same time as Common Millet and Hungarian and earlier than German Millet; it is claimed that it will stand drought better than other varieties of Millet. It has been a success in sections where season is too short to mature a corn crop." $\frac{3}{4}$ bush. per acre. 50 lbs. to the bush. Bush. \$1.35.

Japanese or Barnyard Millet. (*Panicum Crus Galli*)

Japanese or Barnyard Millet. (*Panicum Crus Galli*.) This comparatively new yet popular forage plant is of very rank growth, from six to seven feet high, with much larger leaves than any of the preceding. Like all coarse growing plants it needs abundant plant food, and when given this on good soil the yield is immense. While its use has been largely confined to soiling purposes, it may be used

for ensilage, and is, when cut at the proper stage and made into hay, readily eaten by both cattle and horses. Probably no other forage plant ever sprang so quickly into popular favor, and that it will continue to occupy a prominent place among our forage plants is without doubt. It may be sown from May 15th to July. 15 lbs. per acre. Lb. 10c., 10 lbs. 90c., 25 lbs. \$2.00, 100 lbs. \$7.50.

Mixtures of Grass Seed FOR MEADOWS AND PASTURES.

It seems to us to be beyond dispute that a thicker growth; therefore larger yield, may be obtained by sowing a mixture of many varieties than by the use of one or a few. Many of the grasses of fine growth are rich in nutritive quality and of heavy bottom growth, but their scanty top growth makes them unsuitable for sowing alone. Combined, however, with those of coarser and taller growth, they fill the interstices, restraining the rank growth of the latter, making them thereby more tender and greatly increase the total yield, the whole producing not only a larger yield and much heavier aftermath at once, but if properly combined for many years.

We are confident that a trial of any of the following mixtures will prove that each for the purpose indicated is superior in various respects to the common method of seeding with Timothy and Red Top. For though each of these is a very excellent and necessary grass, used alone or together they are inadequate for the largest production and most permanent results and in some locations or soil entirely unsuited.

As noted with each mixture the quantity advised for one acre includes the clovers. These will always be sent in separate package as on account of their greater weight they should be sown alone and in this latitude not later than August. If seed is desired for late Fall sowing customers would better state whether or not they wish the clovers, otherwise they will be sent as usual.

Considering the high prices of the clovers and in fact nearly all grass seeds this season, the prices at which we offer these mixtures are very low. It would seem poor economy to seed by the old method instead of with these mixtures, simply because the latter would be slightly more expensive. The ratio of results to cost would seem the better determining factor.

MIXTURE FOR PERMANENT MOWING FOR MEDIUM SOIL,

Neither unusually moist nor dry and of average fertility. 40 lbs. to the acre including 6 lbs. of mixed clovers. Lb. 16c., 100 lbs. \$15.00.

PERMANENT MOWING MIXTURE FOR DRY SOIL.

40 lbs. to the acre including 4 lbs. of mixed clovers. Lb. 16c., 100 lbs. \$15.00.

PERMANENT MOWING MIXTURE FOR MOIST LAND.

It is of course understood that there is a limit to where grasses will thrive both of wetness and dryness. On cool, stiff, moist land (not swampy), this mixture will produce large crops for many years. 40 lbs. to the acre including 3 lbs. of mixed clovers. Lb. 16c., 100 lbs. \$15.00.

MIXTURE FOR PERMANENT PASTURE FOR MEDIUM SOIL.

Continual feed from early in the spring until late fall and permanency are the chief requisites for a good pasture. Both can be secured to a much greater degree with this mixture than with only one or two varieties. 40 lbs. to the acre including 6 lbs. of mixed clovers. Lb. 16c., 100 lbs. \$15.00.

PERMANENT PASTURE MIXTURE FOR DRY HILLY LAND.

In no situation are Timothy and Red Top so unsuitable for seeding as in a dry hilly pasture, for both require strong rather moist land to thrive for any length of time alone. This mixture is composed of grasses which thrive on light soil, endure long drouths and bear without injury, constant cropping. 40 lbs. to the acre including 3 lbs. of mixed clovers. Lb. 16c., 100 lbs. \$15.00.

PERMANENT PASTURE MIXTURE FOR MOIST LAND.

40 lbs. to acre including 4 lbs. of mixed Clovers. Lb. 16c., 100 lbs. \$15.00.

Ross Brother's Reliable Flower Seeds.



POSTAGE PREPAID ON ALL FLOWER SEEDS BY THE PACKET,
OUNCE OR QUARTER-POUND AT PRICES QUOTED.

ORDER BY NUMBER AS WELL AS NAME.

ABRONIA.

1—**Umbellata.** A beautiful little trailer suitable for vases, rock-work, etc. Flowers fragrant, rosy pink, borne in large trusses. Half hardy annual; $\frac{1}{2}$ ft. 5c.

ACROCLINTIUM ♀ Everlasting Flower.

A free-flowering plant, suitable for garden culture. Flowers when dry are largely used for winter bouquets. Half hardy annual; 1 ft.

2—Double, mixed colors 5c.

ADLUMIA ♀ Mountain Fringe—Allegheny Vine.

3—**Cirrhosa.** A beautiful climber with graceful, feathery foliage, bearing freely all summer small rose colored flowers. Hardy biennial; 15 ft. 5c.

ADONIS ♀ Pheasant's Eye—Flos Adonis.

4—**Autumnalis.** A free-flowering garden plant with finely cut dark green foliage, bearing blood-red flowers. A popular and desirable plant, remaining in bloom for a long time; of easy culture. Hardy annual; 1 ft. 5c.

AGERATUM

Favorite annual plants, profuse and continual bloomers, growing from six inches to two feet in height. The tall varieties are very suitable for planting in clumps or masses, producing a striking effect and furnishing an abundance of cut flowers. The dwarf varieties are very desirable for edgings, and both make excellent pot plants.

5—**Mexicanum.** Lavender blue; 2 ft. 5c.

6—**Album.** White; 2 ft. 5c.

7—**Little Dorrit.** Azure blue, very compact; $\frac{1}{2}$ ft. 5c.

8—**Imperial Dwarf.** White; $\frac{1}{2}$ ft. 5c.

9—Mixed Colors 5c.

AGROSTEMA.

Pretty, free-blooming plant, useful both for cutting and bedding.

10—**Cœli-rosa** (Rose of Heaven) rose, white center. Hardy annual; 1 ft. 5c.

AQUILEGIA ♀ (Columbine).

Hardy herbaceous perennials, deserving a place in every collection of perennials. Flowers curiously and gracefully formed and beautifully colored; of easy culture; 1 $\frac{1}{2}$ to 3 ft.

11—Mixed Colors 5c.

ASPERULA ♀ Sweet Woodruff.

12—**Odorata.** A free-blooming plant, bearing fragrant blue flowers which remain a long time in bloom. Hardy annual; 1 ft. 5c.

ALYSSUM

A well known favorite hardy annual, blooming profusely the entire season.



Sweet Alyssum.

13—Sweet

Alyssum. Fragrant white; 1 ft. Oz. 25c., $\frac{1}{2}$ oz. 15c.... 5c.

14—Little

Gem. Dwarf, growing but a few inches high, of spreading or trailing habit, forming compact masses of bloom often a foot or more in diameter; very useful for edgings. Oz. 40c., $\frac{1}{2}$ oz. 25c.... 5c.

AMARANTHUS

Ornamental foliage and flowering plants,

very showy and interesting, of rapid growth and easy culture; color of foliage will be better if planted on rather poor soil; half hardy annuals.

15—**Caudatus.** (Love-lies-bleeding.) Long, drooping flower spikes dark red 5c.

16—**Tricolor.** (Joseph's Coat. Red, yellow and green foliage, 3 ft. 5c.

17—**Salicifolius.** (Fountain Plant.) Graceful, drooping leaves, varying from green to bronze, banded and tipped with carmine 5c.

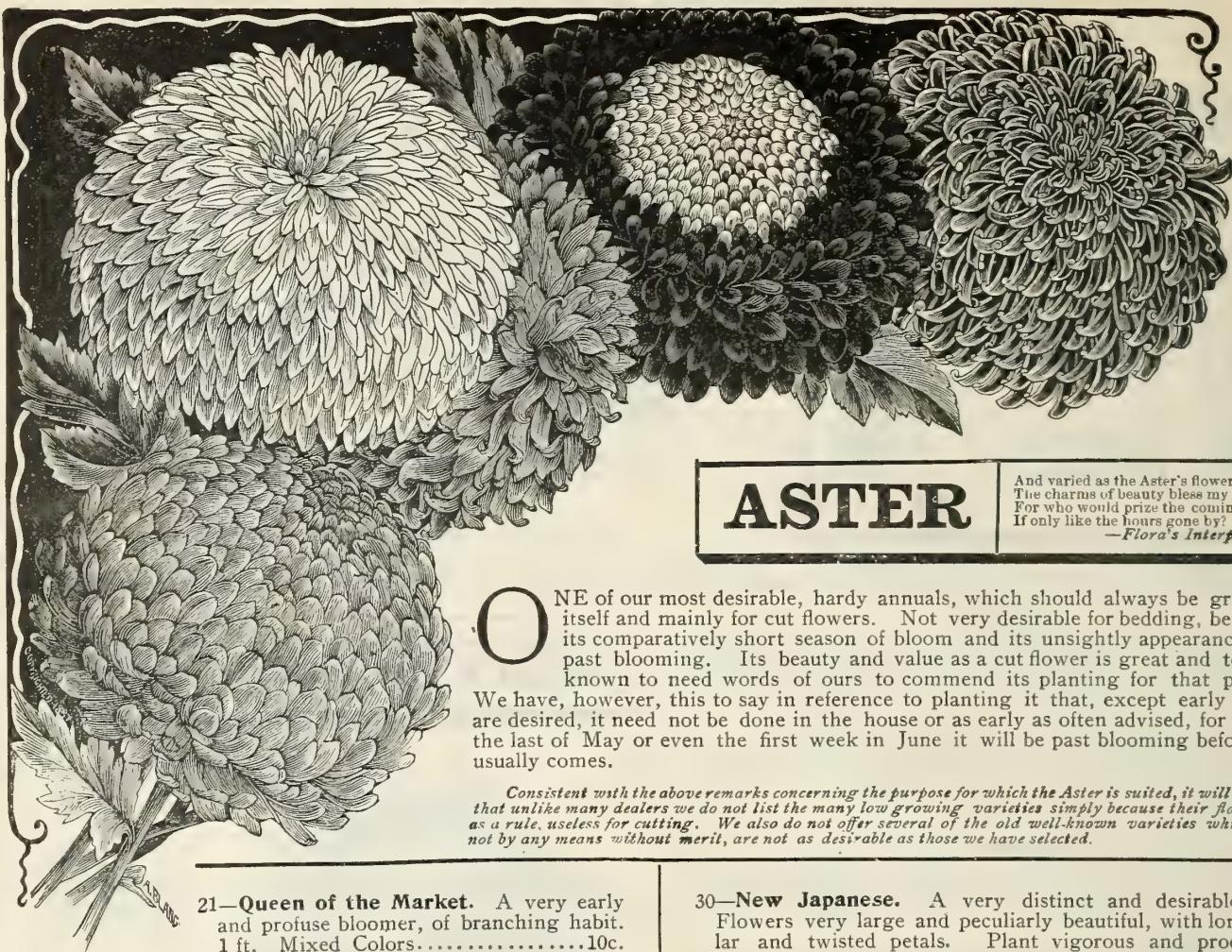
18—**Mixed Varieties,** including above and others 5c.

ANTIRRHINUM ♀ Snap Dragon.

Well known favorite border plants, half hardy perennials, flowering first year from seed sown in spring.

19—**Tall Varieties.** Mixed Colors; 2 ft. 5c.

20—**Dwarf or Tom Thumb Varieties.** Mixed Colors.... 5c.



ASTER

And varied as the Aster's flower
The charms of beauty bless my eye—
For who would prize the coming hour
If only like the hours gone by?

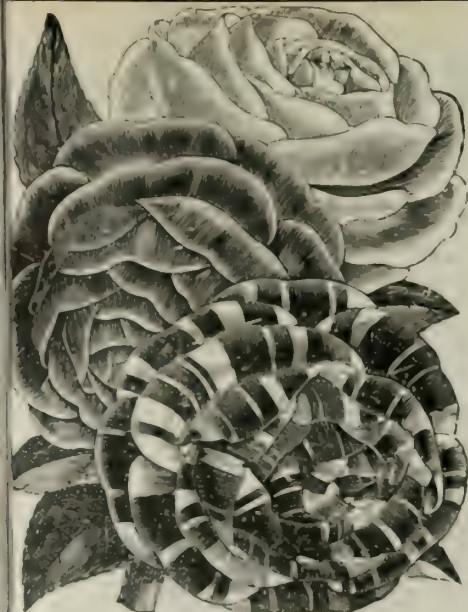
—Flora's Interpreter.

ONE of our most desirable, hardy annuals, which should always be grown by itself and mainly for cut flowers. Not very desirable for bedding, because of its comparatively short season of bloom and its unsightly appearance when past blooming. Its beauty and value as a cut flower is great and too well known to need words of ours to commend its planting for that purpose. We have, however, this to say in reference to planting it that, except early flowers are desired, it need not be done in the house or as early as often advised, for if sown the last of May or even the first week in June it will be past blooming before frost usually comes.

Consistent with the above remarks concerning the purpose for which the Aster is suited, it will be noted that unlike many dealers we do not list the many low growing varieties simply because their flowers are as a rule, useless for cutting. We also do not offer several of the old well-known varieties which, while not by any means without merit, are not as desirable as those we have selected.

- 21—**Queen of the Market.** A very early and profuse bloomer, of branching habit. 1 ft. Mixed Colors.....10c.
- 22—**Queen of the Earliest.** Resembles the preceding but is considerably earlier. Flowers white only, borne in profusion on long stems. 14 inches.....10c.
- 23—**Truffaut's Peony Flowered Perfection.** An old, but still popular variety. Plant large but of compact form. Flowers large with incurved petals; very double and of beautiful form. An abundant bloomer. 1½ ft. Mixed Colors.....10c.
- 24—**Lady in White.** A variety especially desirable for its freedom of blooming and distinct in its foliage. Plant of branching habit, bearing on slender stems semi-globular pure white flowers. From forty to sixty buds are borne on each plant which, developing gradually, prolong the season of bloom.....10c.
- 25—**Jewel or Ball.** A fine new type. Plant, dwarf, but bears freely, on long stems, flowers which are of good size and perfectly round. Mixed Colors.....10c.
- 26—**Daybreak.** A beautiful Aster. Plant of bushy, branching habit, bearing on long, stiff, upright stems, large double flowers with incurved petals, very regularly placed. Color, a lovely shell-pink; as a cut-flower, not excelled by any other variety.....10c.
- Giant Branching Comet.** A distinct and very valuable class. Flowers resemble the Japanese Chrysanthemum, and differ from those of the older Comet class in that they are not only larger but petals are broader and longer, flower-stems long. Plant of vigorous, luxuriant growth, 1½ ft.
- 27—Giant White.....10c.
- 28—Giant Rose.....10c.
- 29—Mixed Colors.....10c.

- 30—**New Japanese.** A very distinct and desirable class. Flowers very large and peculiarly beautiful, with long tubular and twisted petals. Plant vigorous and productive. Mixed Colors.....10c.
- Seimble's Branching.** Of very branching habit and a strong grower; flowers large, often four inches in diameter. Valuable for cutting on account of their long stems; very double, beautiful colors. One of the best late flowering varieties, 1½ to 2 ft.
- 31—Rose.....10c.
- 32—White.....10c.
- 33—Mixed Colors.....10c.
- Victoria.** One of the most popular varieties. Flowers large, full and double with reflexed petals. Plant large and vigorous and a free bloomer; colors varied and beautiful.
- 34—White.....10c.
- 35—Scarlet.....10c.
- 36—Blue.....10c.
- 37—Mixed Colors.....10c.
- 38—**Betteridge's Quilled.** Flowers composed of tube or quill-shaped petals. This is an improved strain, with large, double flowers, and of beautiful colors, 2 ft. Mixed Colors.....5c.
- 38½—**Prince of Wales.** Plant of free branching habit, bearing on long stems large flowers of a deep crimson red. It is a very early bloomer, a fitting companion to the *Queen of the Earliest*, the color of its flowers making a pleasing contrast to the pure white of that variety.....10c.
- 39—**Our Worcester Mixture.** Our own mixture of above varieties, carefully mixed, enabling any to secure a choice collection at slight outlay.....10c.
- 40—**Good Mixed.** Many varieties.....5c.



Improved Double Balsams.

BALLOON VINE Love in a Puff. (*Cardiospermum Halicacabum*.)

47—A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed vessels, somewhat resembling a balloon; 10 to 15 ft.....5c.

CALLIOPSIS

For Perennial Varieties See *Coreopsis*.

One of the most graceful and satisfactory hardy annuals, profuse and continuous bloomer, sometimes called "Bright Eyes." Flowers brilliant yellow, orange, crimson, red and brown, spotted or margined with different shades, and having long stems are excellent for cutting.

51—Choice Varieties Mixed, 2 ft.....5c.

52—**Golden Wave.** (*Drummondii*.) Plant distinct from above sorts, of bushy, compact and dwarf habit. Flowers large, often 2 inches across; beautiful golden yellow with small dark center.....5c.



Calliopsis Golden Wave.

A free and continuous blooming plant of dwarf, bushy habit; of the easiest culture, growing freely in nearly all soils. Desirable both for garden decoration and pot culture. Hardy annual; 1 ft.....5c.

53—**Meteor.** Light yellow, striped with deep orange; very popular.....5c.

54—**Prince of Orange.** Bright orange, striped with light yellow.....5c.

CANDYTUFT



IBERIS

Well known, popular hardy annual, of easiest culture; useful for bedding, edgings or for cutting.

57—**White Rocket.** (*Empress*.) Large trusses, 1 ft. $\frac{1}{2}$ oz. 15c., oz. 25c.....5c.

58—**White Fragrant.** 1 ft. $\frac{1}{2}$ oz. 15c., oz. 25c.....5c.

59—**Tom Thumb.** Very dwarf, mixed colors.....5c.

60—**New Carmine.** A distinct shade.....5c.

BALSAM

LADY SLIPPER TOUCH-ME-NOT

An old favorite garden flower which has been greatly improved in recent years. With favorable conditions and proper treatment but few single flowers are produced. The Camellia flowered varieties are especially fine, and if planted on rich soil and given sufficient room (about two feet apart each way) will produce a great profusion of flowers, nearly all of which will be as double as their name implies. The rose-flowered, also, are strikingly beautiful with their large, perfectly double, rose-like blossoms and great variety of shades and colors. Hardy annual; 1 $\frac{1}{2}$ to 2 ft.

- | | | |
|--|-------------------------------------|------|
| 41— Double Camellia Flowered. Mixed colors..... | 43— Double Pure White. | 10c. |
| 42— Double Rose Flowered. Mixed colors..... | 44— Double Dark Red. | 10c. |
| | 45— Good Mixed. | 5c. |
| | 10c. | |

BACHELOR'S BUTTON

(*Centanrea Cyanus*)

Blue Bottle; or,
Corn Flower.

A well known and very popular plant, blooming early and continuously until autumn if flowers are not allowed to go to seed. White, blue and pink. Hardy annual; 2 to 3 ft.

46—Single and Double Mixed, Mixed Colors.....5c.

BRACHYCOME Swan River Daisy.

A free flowering plant of dwarf compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half hardy annual.

48—Mixed Colors.....5c.

BROWALLIA Amethyst.

Strikingly beautiful plants and profuse bloomers, succeeding best when started in the house or hot-bed, but can be sown in the open ground. When successfully grown the plants are completely studded with the rich, beautiful blue and white flowers. Half hardy annual.

49—**Roezii.** Blue and white mixed....10c.

50—**Elatia.** Mixed.....5c.



Candytuft—White Fragrant.

- | | |
|---|-----|
| 61—Fine Mixed. $\frac{1}{2}$ oz. 15c., oz. 25c..... | 5c. |
| 62— Semper virens. (Perennial.) A hardy dwarf, early flowering plant, well adapted for rockeries, etc., or for front rows of perennial borders; about ten inches high..... | 5c. |



GIANTS OF CALIFORNIA.

- 68—**Borboniensis.** Large showy foliage of purplish hue; 15 ft. $\frac{1}{2}$ oz. 12c., oz. 20c.....5c.
69—**Cambodgensis.** Stalks and stems nearly black, leaves large, of a deep bronzy maroon; 6 ft. $\frac{1}{2}$ oz. 15c., oz. 25c..5c.

ANNUAL CRYSTAL CARNATIONS

FRENCH MARGUERITES OR PAINTED DAISIES.

Free-flowering plants of branching habit, with rich, finely cut and very ornamental dark green foliage, bearing on long stems daisy-like flowers of bright and varied colorings. These colorings on the single varieties are usually in distinct rings and look on the flat petals as though they were painted on. The double varieties withstand the heat of summer, blooming more freely than the single, the latter requiring cooler weather to bloom freely but are much more beautiful than the double. Both grow freely from seed, are of easy culture, very desirable for cutting, and are effective bedding plants.

CARNATION

A beautiful, well-known and extremely popular flower; half hardy perennial; the Marguerite class, however, flowering the first year from seed and in a comparatively short time.

63—**Choice Double Mixed.**10c.

Marguerite. One of the greatest acquisitions to the flowers which the amateur can conveniently grow, enabling all lovers of this beautiful flower to secure very satisfactory and immediate results without the usual care and time necessary to succeed with the Carnation of the older types. Flowers may be had from August until severe frost comes from seed sown in the spring, which have the characteristic form and fragrance of the Carnation proper, borne in greater profusion and on plants of more bushy and vigorous growth. Too much could not be said in praise of this, nor could it be too highly commended for the amateur's use.

64—**Choicest Mixed.** Complete assortment of colors.....10c.

MARGUERITE CARNATIONS *

Giants of California.

An improved, extra large flowered strain from California, of vigorous, robust habit but having the same dwarf compact form of above, blooming also as early and producing larger flowers, many of which are as fine and more freely produced than those grown by florists in the greenhouse. A very shy seeder.

65—**Mixed Colors.** Small pkt.....15c.

HARDY GARDEN CARNATIONS *

For Open Ground.

Plants of low, bushy, tufted form, producing on long stems the beautiful fringed flowers with their delightful clove fragrance, known as "Clove Pinks," so highly valued in the "old fashioned garden" and which merit a place in the perennial bed and border of today.

66—**Plumarius Double Mixed.** Double fringed, fragrant flower, white, crimson or purple shades, beautifully shaded and spotted.....10c.

67—**Plumarius Single Mixed.**5c.

CASTOR BEAN

Ricinus

Well known tender annuals; tall, stately, majestic plants of very rapid growth, with palm-like leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups; 6 to 15 ft;

70—**Sanguineus.** (Tricolor.) Stalks blood-red, foliage reddish bronze with scarlet seed pods; 6 ft. $\frac{1}{2}$ oz. 12c., oz. 20c...5c.

71—**Zanzibarensis.** A comparatively new class, with gigantic leaves ranging in color from light green to bronzy maroon; 10 to 15 ft. Mixed varieties. $\frac{1}{2}$ oz. 12c., oz. 20c.....5c.

72—**All Varieties Mixed.** $\frac{1}{2}$ oz. 10c., oz. 15c.....5c.

ANNUAL CHrysanthemums

FRENCH MARGUERITES OR PAINTED DAISIES.

They should be given plenty of room, from two to two and one-half feet, and will bloom more freely on soil of medium fertility. 1 to 1½ ft.

73—**The Sultan.** (Atro-Coccineum.) Large velvety single flowers, crimson maroon with golden ring.....5c.

74—**Eclipse.** Large single flowers, golden yellow with scarlet ring and brown disc.....5c.

75—**Single Mixed.** All colors.....5c.

76—**Corinarium Double Mixed.**

CANTERBURY BELL

CAMPANULA MEDIA.



To me there's a to - le from the Blue-bell flower
With her blossoms so fresh when the storm is o'er,
As she thanked the sun for his beams the while,-
That flower has taught me to repay
The friends who have cheered my stormy day,
With a grateful bow and a sunny smile.

—FLORA'S INTERPRETOR.

Beautiful hardy biennial plant; of easy culture, a profuse bloomer, succeeding best in a light, rich soil; bearing flowers of rich and exquisite colorings. Like most biennials, it can be sown after mid-summer where it is to remain, or in the spring for transplanting. Plants should stand about two feet apart. 2½ ft.

- 77—**Double.** Mixed colors 5c.
78—**Single.** Mixed colors 5c.

CUP AND SAUCER CANTERBURY BELL.

(Companula Calycanthema.)

Flowers of this class are of peculiar form and strikingly beautiful, that part resembling a cup is about three inches in length or depth and the saucer from three to four inches in diameter. This plant is a very free bloomer, often bearing during its season of several weeks in early summer a hundred or more of its exquisite blossoms, and is, when in full bloom, a pyramid of beauty.

- 79—**Mixed Colors.** 5c.

CANARY BIRD FLOWER & *Tropaeolum Peregrinum*.

80—A favorite half hardy annual climber of rapid growth, bearing curiously formed yellow flowers having a fancied resemblance to a canary bird; blooms from July until frost; 10 to 15 ft. 5c.

CLARKIA.

Favorite hardy annuals, bearing beautiful, delicate, rose-colored, purple and white flowers; profuse bloomers; of easiest culture; 1½ ft.

- 81—**Mixed Colors.** 5c.



COBEA.

82—**Scandens.** A rapid growing perennial climber, flowering the first year from seed, bearing flowers which are at first green, changing soon to deep violet or purple. It should not be sown in open ground until soil has become quite warm, and will germinate most readily if seed is pushed into soil edgewise and barely covered; 20 to 30 ft. 10c.

COCKSCOMB & *Celosia Cristata*.

Popular annuals, producing flowers which somewhat resemble a cock's comb; of various colors, rose or crimson the most striking; of easy culture.

- 83—**Glasgow Prize.** Immense crimson combs; 1 ft. 5c.

- 84—**Mixed Colors.** 5c.

COCKSCOMB FEATHERED & *Celosia Plumosa*.

Of branching habit, producing large, graceful, plume-like flowers; beautiful and effective; 2 to 3 ft.

- 85—**Ostrich Plume.** Crimson 5c.

- 86—**Ostrich Plume.** Golden 5c.

- 87—**Mixed Colors.** Crimson, orange, yellow, rose, etc. 5c.

COLUMBINE. (See Aquilegia.)**CONVOLVULUS.** (See Morning Glory.)

COREOPSIS & For Annual Varieties See Calliopsis.

88—**Lanceolata.** A beautiful hardy perennial, flowering the first year from seed sown early; forming large clumps, growing from two three feet high, bearing on long stems large rich, yellow flowers in great profusion; very desirable for cutting; of the easiest culture, growing anywhere, and should be in every flower garden 5c.

COSMOS

A rapid growing, graceful plant, with beautiful feathery foliage, bearing flowers which resemble the Single Dahlia; a very hardy annual of strong, vigorous habit, growing about five feet high in ordinary soil, and often eight feet in very rich. It is seldom given room enough; plants should stand not closer than two and one-half feet apart, and in rich soil a greater distance. The Cosmos makes a most desirable background for many other plants, its beautiful, finely cut foliage alone making it well worth the growing for this purpose; its value, however, is greatly increased by its lovely flowers, white, pink, crimson or rosy purple, borne in great profusion on long stems, rising above the foliage in an especially graceful manner, equally graceful in appearance when arranged in a vase with sufficient foliage; for this purpose but few other flowers are as desirable and none can be had so late in the season, as, owing to the great hardiness of the plant, it bears fine flowers even after the first light frosts have come.

89—**Mammoth Perfection.** Flowers of mammoth size, rather late in flowering and, as the plant is quite hardy, seed should be planted as early as possible and will then, in most seasons, produce a profusion of flowers before frost 5c

90—**New Early Flowering.** This, while flowers are not as large as those of the Mammoth, is growing in favor because of its earliness. If seed is sown in open ground in early spring, plants will begin to bloom the last of July and continue until November, making it, therefore, especially desirable in northern latitudes 5c.

CYPRESS VINE ♀ *Ipomoea Quamoclit.*

A very popular climber, with delicate, feathery foliage, bearing small, star-shaped rose, scarlet and white flowers, presenting a very pleasing contrast with the beautiful dark-green foliage. Tender annual; 12 to 15 ft.

91—**Mixed Colors**.....5c.

DAISY ♀ *Bellis Perennis.*

A hardy perennial plant, of dwarf, compact growth, blooming freely during the cool months of spring and fall; flowers very double, about one inch in diameter, borne singly on a stem about five inches high. A beautiful little plant well adapted for edgings, and should be more generally cultivated. It bears

transplanting well, even when in flower, and thrives best on richly manured soil and in a cool, partially shaded location.

92—**Mixed Colors**.....10c.

Dianthus. (See Pink.)

Digitalis. (See Foxglove.)

DATURA.

93—Strong, vigorous plants, of branching habit, bearing large trumpet-shaped flowers six to eight inches long and very fragrant. Tender annuals; 3 ft. **Finest Mixed**.....5c.

DUTCHMAN'S PIPE ♀ *Aristolochia Siphon.*

94—A beautiful, rapid growing climber, bearing curiously formed, purplish brown flowers, thought to resemble in shape a pipe. Hardy perennial; 15 to 30 ft.....15c.

ESCHSCHOLTZIA ♀ *California Poppy.*

Very showy hardy annual, with beautiful, delicately cut foliage, bearing bright yellow and scarlet flowers; one of our most attractive annual plants, blooming early and continuously. Succeeds best in light, rich soil, and should be sown where designed to grow, as it does not bear transplanting; 1 ft.

95—**Mixed Colors**.....5c.

96—**Douglasii.** Plant very dwarf and compact, only six inches high; blooms very early, profusely, and when quite small; flowers small, clear lemon-yellow. Excellent for bedding or edgings.....5c.

97—**Mandarin.** Bright scarlet, interior orange.....5c.

EUPHORBIA VARIEGATA ♀ *Snow-on-the-Mountain.*

98—A showy, hardy annual plant, grown for its striking foliage. Leaves, dark green, veined and margined with white. Very effective in the garden or on the lawn.....5c.

EUPHORBIA HETEROPHYLLA ♀ *Mexican Fire Plant, or Annual Poinsettia.*

99—This is somewhat similar to the brilliant Poinsettia, grown in pots in the greenhouse during winter and which is a very popular decorative plant. This, however, can be easily grown from seed in the open ground, which should be sown when trees are starting into leaf. It produces large bracts of fiery scarlet which, in contrast with the dark green foliage, make a striking and effective appearance.....10c.

FORGET-ME-NOT ♀ *Myosotis.*

An old, well-known and favorite garden plant; hardy perennial, flowering the first year from seed sown early in the spring, succeeding best in cool, moist soil and thriving well in partial shade.

100—**Alpestris.** Plant dwarf and compact, about six inches in height; flowers star-shaped, blue.....5c.

101—**Alpestris Alba.** Similar in habit of growth, but the florets are pure white.....5c.

FOUR O'CLOCK ♀ *Marvel of Peru. (Mirabilis.)*

A well-known and favorite plant, bearing freely funnel-shaped white, red and striped flowers, which open about four o'clock in the afternoon and perish before noon the next day; of easy culture, will grow anywhere, but should be given plenty of room—at least three feet each way.

102—**Mixed Colors**.....5c.

FOXGLOVE ♀ *Digitalis.*

Favorite perennial plants, of easy culture. Flowers borne on long spikes; 3 to 5 ft.

103—**Mixed Colors**.....5c.

GALLIARDIA ♀ *Blanket Flower.*

A very free-flowering class of plants, entirely hardy, blooming the entire summer, of easiest culture and succeeding well in the poorest soils. Flowers brilliant and beautiful, 2 to 3 inches in diameter, borne singly on long stems; exceptionally fine for cutting.

104—**Choice Mixed.** Comprising a wide range of colors in both single and double varieties; hardy annuals, some of which become perennial by protection of the roots in winter. 1 to 2 ft.....5c.

105—**Picta Lorenziana.** (Double.) Large, round heads composed of many individual florets, richly colored in shades of bronze, brown, maroon, etc., brightly tipped with shades of yellow and creamy white; hardy annual. Mixed colors.....5c.

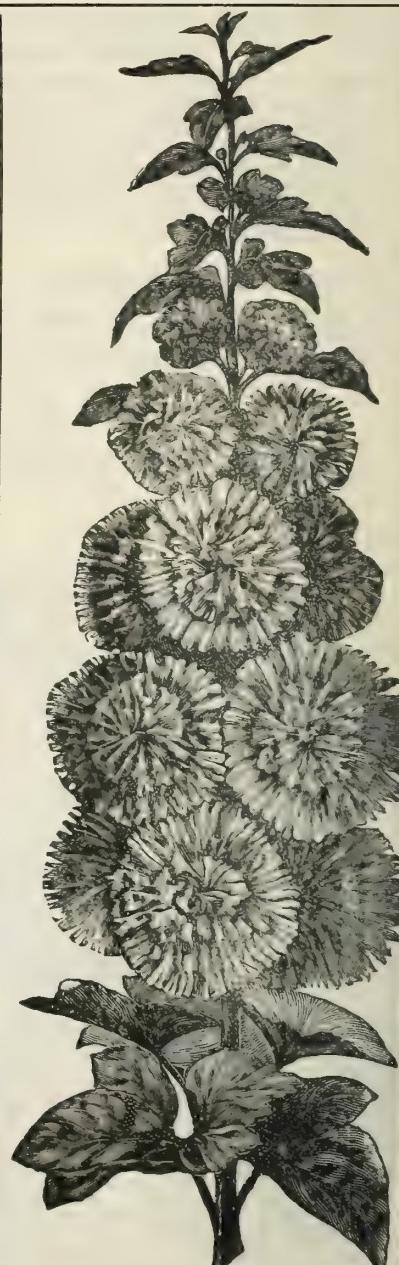
GODETIA.

Attractive hardy annuals of compact growth, bearing profusely large flowers beautifully colored; fine bedding plants of easy culture; 1 to 1½ ft.

106—**Mixed Colors**.....5c.

GORARDS.

Ornamental, tender annual climbers, bearing curiously formed and colored fruit. Of very rapid growth; useful for covering fences, stumps, etc.; 10 to 20 ft. 107—**All Varieties Mixed**.....5c.



Allegheny Hollyhock.

Gypsophila



Delicate, profuse flowering plants of easy culture.
Hardy annuals and perennials.

108—**Muralis.** A beautiful little annual plant, with fine, feathery, grayish-blue foliage and very small, pink flowers. Grows only about six inches high, and because of that and the distinctive color of its foliage it is excellent and effective for edgings..... 5c.

109—**Elegans.** Hardy annual, about one foot in height, sprays well branched and thickly set with small, white flowers..... 5c.

110—**Paniculata.** (Commonly known as Baby's Breath.) Hardy perennial, bearing white flowers; of more branching habit and sprays are longer stemmed than the preceding; very desirable for combining with other flowers in bouquets or vases, especially Sweet Peas; and in our opinion is the only flower or foliage at all suitable for combining with those delicate, lovely flowers..... 5c.

HOLLYHOCK ♀ "Queen Hollyhock, with Butterflies for Crowns."

This well-known plant has always been a great favorite, and is perhaps today more popular than ever. Stately and majestic in its growth, it is especially suited for a background to the perennial border. Although a biennial it becomes perennial by proper treatment, continuing to grow and bloom for several years if the flower spike is cut off as soon as through blooming. Seed may be sown at any time from spring until midsummer and will produce plants which will bloom the following season. The soil should be light, and rich, and well drained.

113—**Chater's Choicest Double Mixed.** This well-known, superb strain will produce a large percentage of double flowers in a wide range of colors, and has, as yet, not been surpassed..... 10c.

114—**Allegheny.** (New.) The flowers are not as double as those of the older form, but are distinctly beautiful. They differ both in form and in the manner in which they are disposed on the stem; every bud to the top of the plant develops, making the blooming season a long one. They are enormous in size, often six inches in diameter, of silky texture and beautifully fringed and colored..... 10c.

HYACINTH BEAN ♀ Dolichos Lablab.

115—**Mixed.** A tender annual climbing plant, with purple or white flowers, which are followed by very ornamental seed pods. 10 to 15 ft..... 5c.

ICE PLANT. ♀ (*Mesembryanthemum*.)

116—A trailing plant, with succulent stems and leaves, which have the appearance of being covered with ice crystals; excellent for hanging baskets and rock work. Tender annual. 4 ft..... 5c.

IPOMEA.

Rapid growing, annual climbing vines, with very luxuriant foliage, producing an abundance of showy flowers, white, pink, blue and purple. While both the flowers and foliage closely resemble that of the Morning Glory of most varieties, both are larger, although the flower of one of the following (*Coccinea*) is smaller and of different form, more nearly resembling that of the Cypress Vine. All should be more generally cultivated. 10 to 20 ft.

117—**Bona Nox.** (Evening Glory.) Beautiful, large, violet-blue flowers, which open in the evening..... 5c.

118—**Coccinea.** (Star Ipomea.) Plant similar to the Morning Glory; flowers small, star-shaped and produced in great profusion..... 5c.

119—**Grandiflora, Striped-Leaved.** The leaves of this are dark green, mottled with white; the flowers intense ultra-marine blue, edged with sky-blue and shaded with carmine pink in the throat..... 5c.

120—**Setosa.** A beautiful variety, of very luxuriant growth. The leaves are from eight to twelve inches across, the under sides being thickly set with small, reddish hairs, as is also the vine. The flowers are about three inches in diameter, produced in clusters, but one or two in each cluster opening at once; of a lovely satiny pink..... 5c.

121—**Choice Mixed.** Above and other varieties..... 5c.

LANTANA.

Favorite, rapid growing plants, forming small shrubs; profuse and constant bloomers, well adapted for pot culture, and are very effective planted singly in the garden. Tender perennials, flowering first year from seed if sown early; 1 to 3 ft.

122—**Mixed Colors.**

HELIOTROPE.

A favorite perennial plant, highly prized for its delicious fragrance. We think it is not generally known that it can be had in bloom the first season from seed; but fine flowering plants can be easily grown from seed sown in the house in March. Soil should be light and rich, and young plants kept in a warm, sunny location. Sow seed in shallow boxes and transplant before plants become crowded into small pots. If desired for bedding, wait until nights are warm. Make the soil rich and give it an abundance of water.

111—**Mixed Colors.**

HELICHRYSUM ♂ Or Everlasting Flower.

Free-blooming, hardy annual plant, of easy culture. The flowers are large, full and double, of various colors, white, scarlet, yellow, etc., and are often used when dry for winter bouquets.

112—**Mixed Colors.**



Improved Double Hollyhock.

LARKSPUR

DELPHINIUM

Popular annual, biennial and perennial plants, with finely cut leaves and beautiful flowers, which are either white, scarlet, pink, blue or purple, but never yellow; of easy culture, succeeding best in a location open to the sun.

123—**Double Dwarf Rocket.**

Hardy annual; 1 ft.; mixed colors.....5c.

124—**Double Tall Rocket.** Hardy annual; 2½ ft.; mixed colors..5c.125—**Elatum.** (Bee Larkspur.)
Hardy perennial; flowers have curiously folded, hairy petals

THE MISSION OF FLOWERS.

Violet, why are your eyes of blue
Wet with tears of the morning dew?
Rosebud, why do you blush and start,
And hide the crystal gem at your heart?
Lily, what are you doing there,
With your bells a-swing in the balmy air?

A light breeze born of the morning hours
Softly stole o'er the banks of flowers;
And, list'ning closely, I seemed to hear,
Chimed in silvery voices clear—

"We are blessing the earth with our wealth of bloom;
We are lading the air with a rare perfume;
All things have their mission, and God gives us ours,
And this is a part of the mission of flowers:
To give life to the weary and hope to the sad,
Fresh faith to the faithless, new joys to the glad;
To cheer the desponding, give strength to the weak;
To bring health's bright bloom to the invalid's cheek;
To blush on the brow of the beautiful bride;
To cheer homes of mourning where sorrows betide;
To rob dreaded Death of a part of his gloom,
By decking the dear one arrayed for the tomb;
To furnish the home with a lasting delight,
With our perfumes so lovely, our blossoms so bright;
To hallow the homestead, embellish the lawn,
Reflecting the tints of the roseate dawn.
In low, voiceless language, we're striving to tell
How God, in His wisdom, doth everything well."

—Dart Fairthorne.

LOBELIA.

Pretty, graceful, little plants; those of trailing habit being used for hanging pots and rockeries, and those of dwarf, compact habit for edgings and bedding.

129—**Gracilis.** Light blue, slender trailer, half hardy annual; $\frac{1}{2}$ ft.....5c.130—**Crystal Palace, Compacta.** Of dwarf, compact growth, excellent for edgings; blue. Half hardy annual; $\frac{1}{2}$ ft....5c.131—**White Gem.** Plant of similar habit to the preceding variety; flowers pure white.....5c.132—**Cardinalis.** (Cardinal Flower.) This is a native species, of greatly different habit from the others, growing about two feet high. Though usually found when growing wild in moist places, it succeeds well in the common border and is one of the best perennials for the shady side of the house. Its spikes of intensely brilliant, cardinal red flowers make it one of the most effective plants.....10c.

LOVE-IN-A-MIST ✿ Nigella Damascena.

A favorite annual, bearing blue and white flowers half hidden by the fine, feathery foliage. Known also as Lady-in-the-Green and Devil-in-the-Bush; 1 ft.

133—**Mixed**5c.

LUPIN.

Very showy plant, bearing spikes of pea-shaped blossoms of rich and varied colors; a free bloomer and easily grown. Hardy annual; 1½ to 3 ft.

134—**Mixed Colors**5c.

LYCHNIS ✿ London Pride—Burning Star.

Hardy perennials, some of which will flower the first year from seed, and but few plants produce more brilliant blossoms. The plant blooms freely and continuously, bearing its clusters of scarlet flowers through the entire summer.

135—**Chalcedonica.** (London Pride.) Bright scarlet; 2 ft...5c.136—**Haageana.** Bright scarlet flowers, larger than those of the preceding. Plant about one foot high and will bloom the first year.....10c.

in the center, giving them a fancied resemblance to a bee. Intense blue, plant five feet high.....5c.

126—**New Compact Blue.** Hardy perennial, flowering freely the first year from seed, if sown early. Rich flowers, large, dark blue. Plant about one foot high, growing a little taller the second year, and blooming even more profusely.....10c.127—**LAVENDER.** Hardy perennial plant, bearing long spikes of blue flowers; chiefly grown on account of its delicious fragrance, which the plant, when dried, retains for years.....5c.128—**LINUM.** (Scarlet Flax.) A very showy and beautiful hardy annual, bearing profusely bright, scarlet flowers; 1 ft.....5c.

MIGNONETTE



Reseda odorata

A well-known and popular hardy annual, highly prized for its delightful fragrance. While blooming freely at all times, much larger and finer spikes are produced during the cool, moist weather of early spring and late fall. Seed sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.

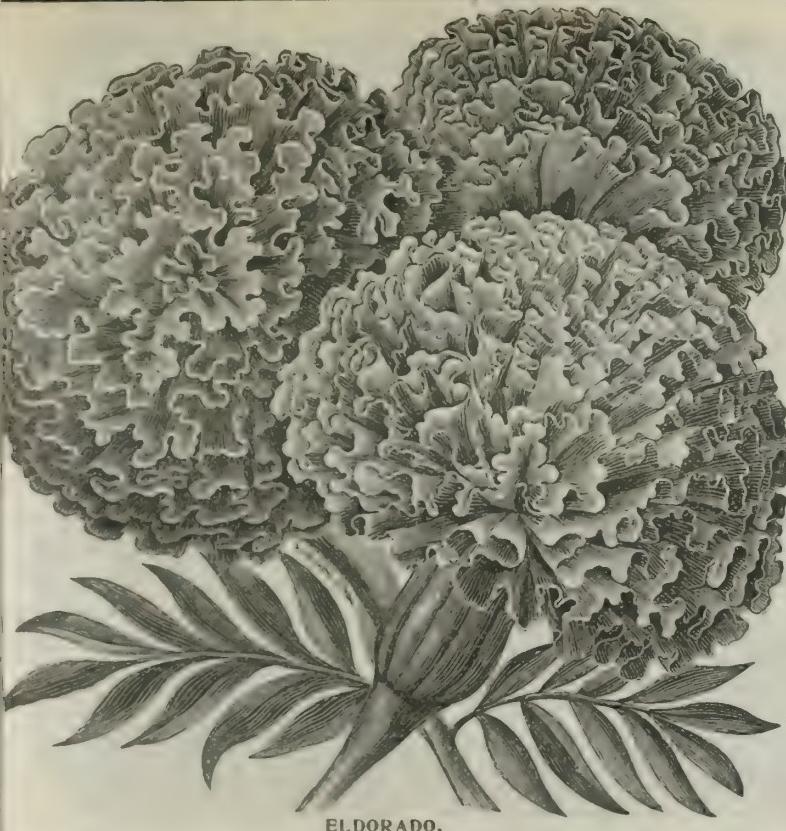
137—**Sweet Mignonette.** Large flowered; $\frac{1}{2}$ oz. 10c., oz. 15c...5c.138—**Parson's White.** Nearly white; fragrant.....5c.139—**Golden Queen.** Flowers golden yellow. Growth dwarf but dense.....5c.140—**New Quaker City.** Flowers a handsome gold red, rich and fragrant; foliage very dark....5c.141—**New Giant Flowered Red.** Form pyramidal, quite distinct, very striking and handsome...5c.142—**Choice Mixed.** Our own mixture of the above and other varieties. $\frac{1}{2}$ oz. 15c., oz. 25c...5c.

DWARF Morning Glory

CONVOLVULUS
MINOR. ✿✿✿

Plant of trailing, branching habit, growing about one foot high and in diameter about two feet, and bearing in great abundance small, bell-shaped flowers similar to the tall varieties. These remain open much later in the day than do those of the tall sorts, often in clear weather till evening. Half hardy annual.

143—**Mixed Colors**5c.



ELDORADO.

MARIGOLD

Open afresh your round of starry folds,
Ye ardent Marigolds!
Dry up the moisture of your golden lids,
For great Apollo bids
That in these days your praises shall be sung
On many harps, which he has lately strung.
—KEATS.

Well-known plants, blooming freely and constantly. The African varieties are usually tall, the French more dwarf. Both are great favorites. Hardy annuals. 1 to 3 feet.

- 144—**African Double.** Mixed.....5c.
- 145—**African, Eldorado.** Flowers very large and extremely double; quilled like a Dahlia; various shades of yellow and orange. 3 ft.....5c.
- 146—**French Double.** Mixed.....5c.
- 147—**French Double Dwarf, Gold Striped.** Golden yellow striped with velvety brown.....5c.
- 148—**French Legion of Honor.** A beautiful single variety of dwarf and bushy habit, rich golden yellow, with garnet blotch in center of petal. 1 ft...5c.

MOON FLOWER. 1481. A rapid growing climber, often attaining a height of 30 feet in a season. Especially adapted to shading porches, etc. To secure flowers in northern latitudes seed should be started early in the house and then be planted out in rather poor soil, else it will run too much to vine. The thick outer shell of the seed should be cut through or a portion chipped off to assist germination....10c.

Morning Glory Convolvulus Major.

Flowers, shrinking from the chilly night,
Droop and shut up; but with fair morning's touch
Rise on their stems, all open and upright.
—MONTAGUE.

- 149—**Mixed.** All colors. $\frac{1}{2}$ oz. 10c., oz. 15c.....5c.
- 150—**Double White Tassel.** A new, very distinct and beautiful variety. The plant is of rapid growth, blooms early and as profusely as the common Morning Glory. The flowers are double and of snowy whiteness. The seed we offer will produce a much larger proportion of double flowers than any seed of double varieties yet imported from Japan.....10c.

Imperial Japanese Morning Glory.

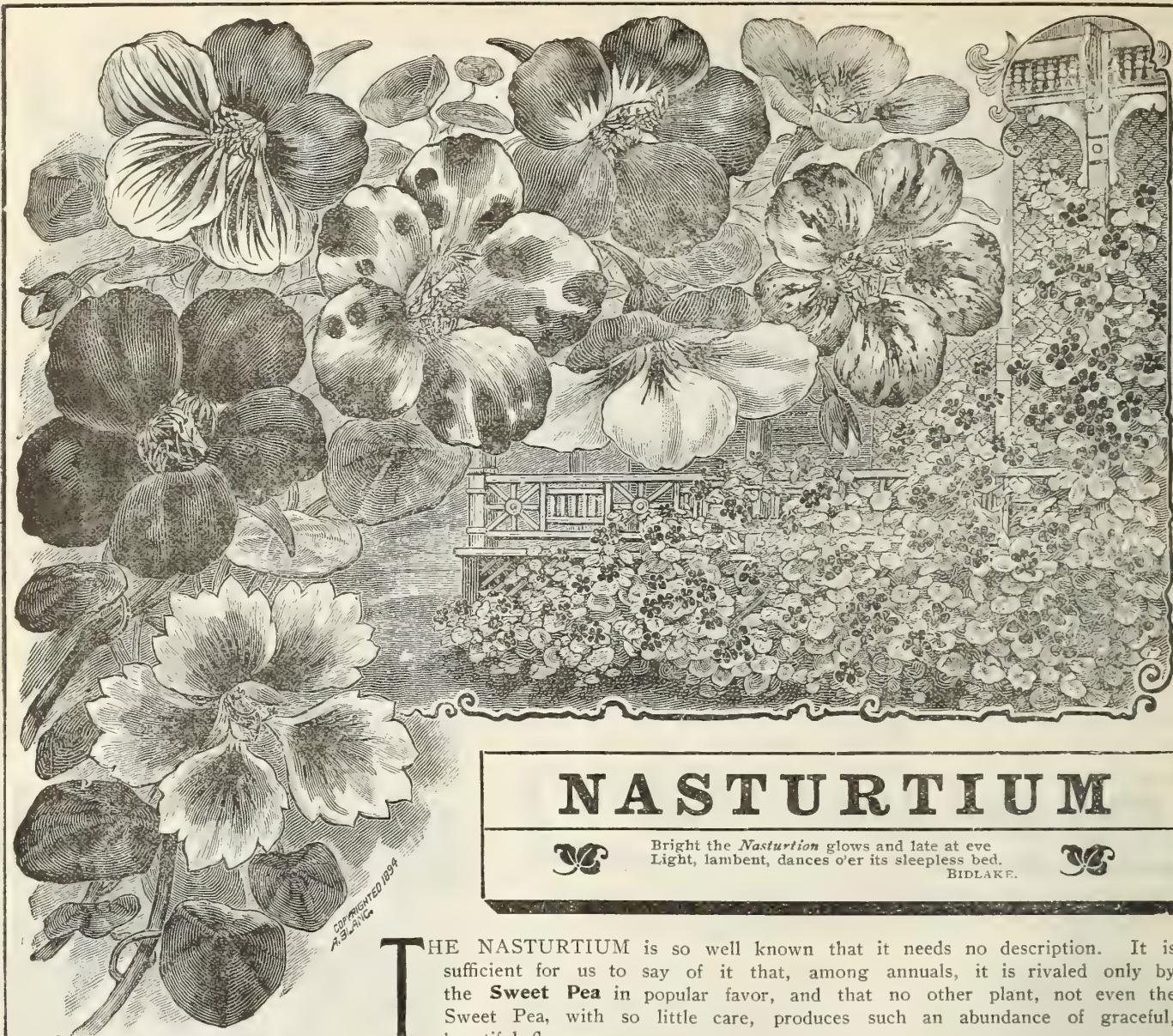
Every Season Increases the Popularity of this Beautiful Flower.

Among the many wonderful novelties in the floral line introduced into this country from Japan, there is perhaps nothing which better attests the great skill of the Japanese florist or gardener than this superb strain of Morning Glory. Not only are the flowers of an almost endless variety of coloring, but the foliage, as well, is greatly varied and very attractive. The flowers are much larger than those of the old strain and fully as freely produced. Some are brilliant red and some clear blue; others are equal in brilliancy, margined or bordered with clear white. Some are striped or blotched with red or blue on white or yellow ground, and others clouded with blue and red. In fact the many variations are almost indescribable, and one may expect to find each morning some new combinations of colorings. The large leaves are of varied form; some are plain green and some green mottled with white, while others are yellow or yellowish-green. So beautiful and effective is this plant and so simple is its culture that it would seem that none who once learned its merit could possibly fail to cultivate it.

- 151—**Choicest Mixed.** Comprising seed from several noted growers, both American and foreign, insuring the greatest possible diversity in color of flowers and of foliage. $\frac{1}{2}$ oz. 15c., oz. 25c.....5c.



Imperial
Japanese
Morning
Glories.



NASTURTIUM

Bright the *Nasturtium* glows and late at eve
Light, lambent, dances o'er its sleepless bed.
BIDLACE.



THE NASTURTIUM is so well known that it needs no description. It is sufficient for us to say of it that, among annuals, it is rivaled only by the Sweet Pea in popular favor, and that no other plant, not even the Sweet Pea, with so little care, produces such an abundance of graceful, beautiful flowers.

TALL NASTURTIUM ✸ *Tropaeolum Majus*

- 152—**Atropurpureum.** Rich, dark crimson. Oz. 15c....5c.
- 153—**Dunnett's Orange.** Bright orange, blotched red. Oz. 15c
- 154—**Edward Otto.** Light brown with yellow calyx and spur. Oz. 15c.....5c.
- 155—**Golden Leaved Scarlet.** Deep scarlet, with light yellow foliage. Oz. 20c.....5c.
- 156—**Heinmanni.** Chocolate Brown. Oz. 20c.....5c.
- 157—**Luteum.** Clear light yellow; large. Oz. 20c.....5c.
- 158—**Pearl.** Very pale yellow, nearest approach to white. Oz. 20c
- 159—**Prince Henry.** Yellow, marbled scarlet. Oz. 15c....5c.
- 160—**Regelianum.** Deep purple violet. Oz. 15c.....5c.
- 161—**Scarlet.** Very intense scarlet. Oz. 15c.....5c.

THREE GIANT-FLOWERED TALL VARIETIES

162—**Sunlight.** This beautiful variety is of strong, vigorous growth and blooms profusely. The flowers are of the largest size, often nearly three inches across; a clear golden yellow. The petals are large, of rounded form, daintily crinkled. The two upper ones have fine, brown lines at the base; the three lower are more distinctly bearded or fringed at the throat than other varieties.

163—**Moonlight.** This is nearly the counterpart of the "Sunlight," differing only in color, which is a lovely pale yellow or straw color. It is equal in size and has the same crinkled or crepe-like petals. It is a worthy companion of the preceding rather than a rival, and when grown side by side both show how aptly they are named.

164—**Salmon Queen.** A beautiful variety, with dark green foliage, bearing flowers of the largest size and beautifully colored. Of a rich but soft, velvety shade of salmon, the two upper petals heavily veined with crimson in the throat. A fitting companion to Sunlight and Moonlight, and a variety with which none can but be pleased.

Each variety, pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

~~~ **NASTURTIUM--Continued.** ~~~

## **LOBB'S Tall Nasturtium; (*Tropaeolum Lobbianum*.)**

This class differs from the common or *Majus* in being of a more free flowering habit and in the greater brilliancy of its flowers. Both foliage and flowers are slightly smaller and it is not as rank in growth as the common. The greater profusion of bloom and brilliancy of color makes it the more desirable to many.

165—**Cardinal.** Cardinal red; purplish-green foliage.

166—**Crown Prince of Prussia.** Rich brownish-crimson with veinings of a deeper shade.

167—**Crystal Palace.** Bright orange-yellow with bronzy-crimson markings at base of each petal.

168—**Giant of Battles.** Sulphur-yellow with carmine markings.

169—**King of the Blacks.** Very dark red, foliage dark green.

170—**Lucifer.** Deep crimson-red, dark foliage.

171—**Mercier Lacombe.** Purplish-violet.

172—**Queen Victoria.** Rich orange-scarlet.

173—**Spitfire.** Brightest scarlet; very free bloomer.

Each variety, pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb. 40c.

174—**Lobbianum Choicest Mixed.** A mixture of above and other varieties. Pkt. 5c., oz. 10c.,  $\frac{1}{2}$  lb. 30c.



### **TALL NASTURTIUM.**

75—**Hybrids of Madame Gunter.** A beautiful strain, having a wide range of distinct colorings, salmon tints striped and blotched with different shades of red predominating, but embracing pink, rose, crimson, maroon, purple, light yellow and orange in self-colors as well as striped and blotched. For richness and variety of colorings this class is not surpassed by any other nor does any other bloom more freely. Pkt. 5c., oz. 15c.,  $\frac{1}{2}$  lb. 40c.

176—**New French Chameleon.** A wonderful new variety, having the peculiar property of producing flowers of many distinct colorings upon the same plant. The flowers are not only of different colors but are variously blotched, striped and bordered with contrasting shades. On the same plant appear at once clear self-colored flowers, others stained or flushed on a clear ground, and still others edged or banded with lighter or darker shades. Pkt. 5c., oz. 15c.,  $\frac{1}{2}$  lb. 40c.

### **Tall Nasturtium MIXTURES.**

77—**Tall Mixed, all Colors.** A choice mixture, of which we have sold in the past few years large quantities. It comprises many distinct colorings and is fully equal to most of the mixtures generally offered. Being, however, mostly grown in mixture, it is not guaranteed to contain all of the most desirable varieties, but will, nevertheless, afford an effective display, surpassed only by the Worcester Tall Mixed. Pkt. 5c., oz. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 90c.

78—**Worcester Tall Mixed.** In this mixture we have one which cannot be surpassed. It embraces many named varieties, including such as the *Giant-Flowered Sunlight*, *Moonlight* and *Salmon Queen*, *The Hybrids of Madame Gunter*, *New French Chameleon*, and all of the best of the *Majus* and *Lobbianum* classes. This mixture is made by ourselves and we therefore know just what it is, and can confidently recommend it as the best that can be made. Pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb. 40c., lb. \$1.25.

### **Nasturtium DWARF, OR TOM THUMB.**

This class blooms as freely as the Tall, and, being as well-known, requires no description or commendation. The following list of varieties comprises all of the best and most distinct. A package of Nasturtium contains from thirty to forty seeds.

79—**Aurora.** Bright chrome-yellow, veined with carmine.

80—**Beauty.** Orange, with bright scarlet markings.

81—**Brilliant Yellow.** Clear, bright, glossy yellow. A beautiful variety. Pkt. 10c., oz. 25c.

182—**Bronze Colored.** A very distinct and peculiar shade.

183—**Cloth of Gold.** Brilliant scarlet. Foliage golden yellow, distinct and pleasing; excellent for edge of bed of Nasturtiums, or foliage plants, or for combining with dark leaved varieties like *Empress of India*, *King Theodore*, etc.

184—**Cœruleum Roseum.** Bright cherry-red. A distinct shade.

185—**Crystal Palace Gem.** Rich sulphur-yellow, spotted with carmine.

186—**Empress of India.** Dark rich scarlet. Foliage bronzy purplish-green. Plant dwarf and compact; fine for edgings.

187—**General Jacquemin.** Crimson scarlet, like *Jack Roses*. Foliage beautiful, dark green.

188—**Golden King.** Rich orange. Dark purplish foliage.

189—**King Theodore.** Rich velvety crimson. Dark foliage. Very desirable.

190—**King of Tom Thumbs.** Brilliant orange-scarlet. Foliage dark green.

191—**Pearl.** Pale primrose, often described as white.

192—**Prince Henry.** Pale yellow, heavily suffused with rose. A distinct and desirable variety.

193—**Rose.** Bright rose. A small flowered but charming variety.

All varieties at uniform prices except where noted.

Pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb. 40c.

## NASTURTIUM--Continued. \*

### DWARF Nasturtium.

194—**New French Chameleon.** This is identical with the *New Tall Chameleon* in the feature of producing flowers of greatly diversified colorings and markings on the same plant, the plant, however, being of the true dwarf type, and is perhaps even more striking than the *Tall Chameleon*. A pleasing novelty, which all growers of the Nasturtium should try. Pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb. 40c.

195—**Liliput.** A new, distinct and charming strain, of very dwarf, compact habit, which originated from the tall *Tropaeolum Lobbianum*. It has the same desirable features of great brilliancy of coloring and free-flowering habit. The plant is smaller than the common strain of *Dwarf Nasturtium*, as are the light green leaves. The flowers also are smaller, but so profusely borne that they appear above the foliage in clusters and embrace many new and beautiful colorings. Very desirable for edgings. Pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb. 40c.

### Dwarf Nasturtium MIXTURES.

**TWO—One Good, the other Better.**

196—**Dwarf Mixed, all colors.** For so many years have we sold this mixture that we unhesitatingly say it is a *good* one, despite the fact that we offer another—a better one—which we advise planting in preference to this. Although this, like the *Tall Mixed* is largely grown in mixture, it, like that, embraces a wide range of colors and, also like that, has given great satisfaction to our many customers who have used it. Pkt. 5c., oz. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 90c.

197—**Worcester Dwarf Mixed.** In addition to all of the preceding named sorts, including the new *Chameleon*, we have selected other choice varieties of the large flowered type, all of which combined make a mixture which for pleasing variations cannot be surpassed. We advise its use in preference to the regular mixture, believing that the wider range of color will much more than offset the slight difference in price. Pkt. 5c., oz. 15c., 2 oz. 25c.,  $\frac{1}{2}$  lb., 40c., lb. \$1.25.

### Collections of Nasturtiums.

So popular have our collections of Sweet Peas always been that we now offer Nasturtiums in collections, enabling those who prefer to know just what varieties they are to receive to secure a large number, distinct and varied in color, at a greatly reduced price.

198—**Our Special Collection of Dwarf Nasturtiums.** Ten named varieties, our selection, but including the *New French Chameleon* and *Liliput*..... 30c.

199—**Our Special Collection of Tall Nasturtiums.** Ten named varieties, our selection, but including *Sunlight*, *Moonlight* and *Tall Chameleon*..... 30c.

200—**Our Favorite Collection.** One packet each of Tall Nasturtiums—*Sunlight*, *Moonlight*, *Salmon Queen*, *New Tall Chameleon*, *Golden-Leaved Scarlet*, *Prince Henry*, *Pearl Rose*, and one each of Dwarf—*Bronze Color*, *Cloth of Gold*, *Ceruleum Roseum*, *Empress of India*, *King Theodore*, *Rose*, *New Chameleon* and *Liliput*—16 varieties for 40 cents.

The packets in these collections are not specially prepared for this—that is, having but few seeds—but are just what we sell at our counters for 5 cents each—full size, containing from 30 to 40 seeds. Our Special Offer does not apply on collections, nor can there be any further discount, regardless of number purchased.

## PETUNIA.

201—**Dwarf Inimitable.** Of compact habit and growing but five to eight inches in height, bearing profusely small striped flowers ..... 10c.

202—**Grandiflora.** Choicest Mixed. Extra large flowers, with larger and more open throat than that of common type. Plant of robust growth and of free flowering habit ..... 10c.

203—**Finest Striped and Blotched.** A choice assortment of striped and blotched varieties of many exquisite markings. 10c.

204—**Good Mixed.** ..... 5c.

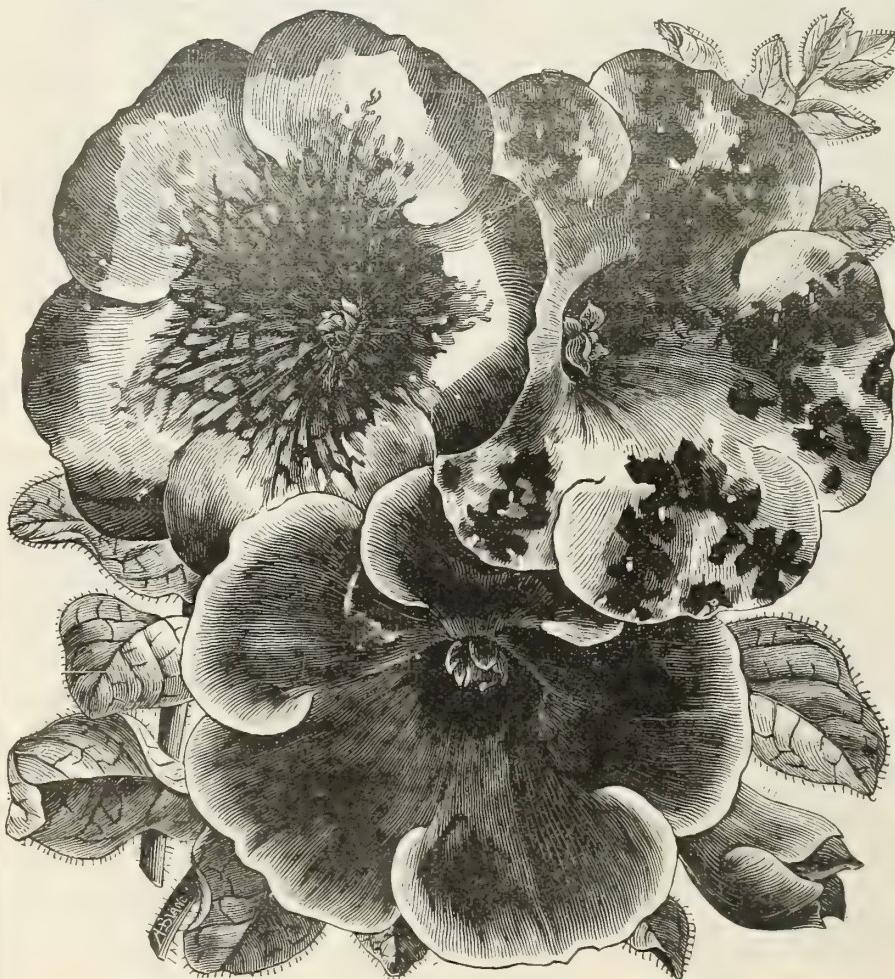
A New Strain of Petunia.

### "Giants of California"

This new strain was developed in California. The flowers are nearly all ruffled or fringed and are often five inches in diameter. It embraces a wide range and many beautiful combinations of colors—some with deep throats of yellow, green, maroon, black or white veined, blotched or striped with contrasting shades. The plant is of vigorous habit. A superb strain, which all lovers of the Petunia should try.

205—**Choicest Mixed.** ..... 25c.

*It might be well for us to mention that the seeds of Petunia being so very small it often appears as though there were but few seeds in a packet, whereas a packet contains from 150 to 300 seeds.*



BLOTTCHED PETUNIAS.



# Pansy

## Heartsease

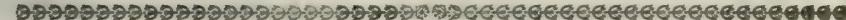
LOVE-IN-IDLENESS.

Heartsease!  
One could look for half a day  
Upon this flower.

—MARY HOWITT.



*Pray you, love, remember,  
There's PANSIES—that's for thought.* —SHAKSPEARE.



OUR experience leads us to think that but few care to sow many separate colors. On the contrary, most prefer mixtures which contain the greatest possible variety of color and form. We, therefore, do not offer as extensive a list as many, but customers may feel sure that our various mixtures contain all the colors and varieties desirable. We call particular attention to our **Worcester Giant Mixed**—a combination of the best large-flowered varieties and strains—as affording the largest possible variations.

**Royal German.** This superb strain is notable for its very great variety of beautiful shades of coloring together with its fine rounded form, large size, and enduring quality of the flowers. In all these respects it is unsurpassed by any other. It comprises all the solid or self-colors; a great variety of the delicately-shaded flowers; the three and five spotted; those having a distinct border or margin; the fancy striped and marbled. We offer in our Splendid Mixed all of these, and also some of the most desirable types and colors separately.

207—**Snow White.** Pure white; of perfect form..... 10c.

208—**Light Blue.** A delicate and exquisite shade of light lavender blue.. 10c.

209—**Dr. Faust, or Black Knight.** Deep dull black; very large and fine form; entirely free from glossy tints..... 10c.

0—**Deep Yellow.** Fine large flower; self-colored; of a rich golden yellow..... 10c.

1—**Rainbow.** So called from its bright, glowing colors; flowers reddish-lavender, shaded with white, pink and carmine..... 10c.

2—**Odier, or Five-Spotted.** Flowers large, of great beauty and of varied coloring. Each petal has a large spot or blotch of darker color and a distinct border of different shade. 10c.

3—**Fancy Varieties.** Choicest Mixed. This mixture contains all of the best types of striped, blotched, mottled and edged flowers; of large size and rounded form, peculiar to the German varieties..... 10c.

4—**Show Varieties.** Choicest Mixed. A choice assort-

ment of solid or self-colored varieties only, having the usual characteristics of the Royal German Pansies..... 10c.

215—**Royal German. Splendid Mixed.** 10c.  
Over fifty varieties,  $\frac{1}{2}$  oz. 60c.,  $\frac{1}{2}$  oz. \$1.00, oz. \$3.50.

### GIANT TRIMARDEAU.

216—**Mixed.** A distinct class, with enormous flowers of rich and varied shades distinctly marked with large blotches on three lower petals. A charming and desirable strain of French origin, lacking somewhat the broad round form of the German varieties, but which, on account of its size and beauty, is a very popular one..... 10c.

$\frac{1}{2}$  oz. 40c.,  $\frac{1}{2}$  oz. 65c., oz. \$2.25.

# PANSY--Continued.

## EXTRA LARGE FLOWERED.

217—Choice Mixed. A selection of extra large-flowered varieties containing a large proportion of the separate colors of German Pansies, with the usual characteristics of these flowers. On account of their substance, especially desirable for cutting. While not as desirable as the following for bedding, yet for early spring blooming this will be very satisfactory, especially to those who prefer large flowers rather than a greater profusion of smaller ones.....10c.

$\frac{1}{2}$  oz. 30c.,  $\frac{1}{2}$  oz. 50c., oz. \$1.50.

## SPECIAL MIXTURE—For Bedding.

218—This mixture is made of such varieties as experience has shown are best adapted for bedding; that is, those that will give the greatest freedom of bloom in the summer, and which, while not as large flowered as some, are yet by no means small. It comprises a large range of colors, and owing to the free blooming habit of the varieties selected is especially desirable for bedding, producing a bright effect, even in the hot weather, so trying to the Pansy.....10c.

$\frac{1}{2}$  oz. 30c.,  $\frac{1}{2}$  oz. 50c., oz. \$1.50.

## ENGLISH PRIZE, or English Face.

219—Choicest Mixed. The peculiar characteristic of this strain is the bold face-like markings of the flowers, which, combined with their delicate texture and velvety appearance makes it a pleasing variation.....10c.

$\frac{1}{2}$  oz. 25c.,  $\frac{1}{2}$  oz. 40c., oz. \$1.25.

## WORCESTER GIANT MIXED.

220—This mixture is made by us, from the choicest large-flowered varieties and mixtures, including the best of those here offered, and many other German and French Prize strains, which we do not consider necessary to list separately. It affords the greatest possible diversity of color, with almost innumerable shadings and markings, and like all mixtures to which we attach the name *Worcester*, is the best we know how to make.....15c.

$\frac{1}{2}$  oz. \$1.00,  $\frac{1}{2}$  oz. \$1.75.

221—Good Quality. Mixed. A good assortment of colors. A strain which, being grown in mixture, does not require the care in growing, or selection, of named varieties, and can therefore be sold at less price. It will give more pleasing results than might be supposed from the price at which we offer it.....5c.

$\frac{1}{2}$  oz. 20c.,  $\frac{1}{2}$  oz. 35c., oz. \$1.00.

# Phlox Drummondii

One of most popular annuals; hardy and of the easiest culture. Remarkably free flowering and brilliant and varied in coloring. It is very desirable for bedding, the brighter colors especially producing a striking effect; the red, when grown in masses, verifying the correctness of the name Phlox—signifying *flame*.

Seed may be sown in the open ground in the fall or early spring and will produce plants that will commence to bloom about the first of July, and continue in bloom until cut down by severe frosts. The dwarf varieties may be allowed to grow from four to six inches apart, but the tall varieties should stand about one foot apart, for if closer they are liable to mildew.

## GRANDIFLORA.

A large-flowered strain; a great improvement on the old type both in size and form of flower.

222—Choicest Varieties. Mixed, all colors.  $\frac{1}{2}$  oz. 25c., oz. 75c.....5c.

## NANA COMPACTA. (Dwarf Phlox.)

This dwarf type grows only from six to eight inches high, and is especially desirable for ribbon beds and edgings.

223—Fireball. Bright scarlet.....10c.

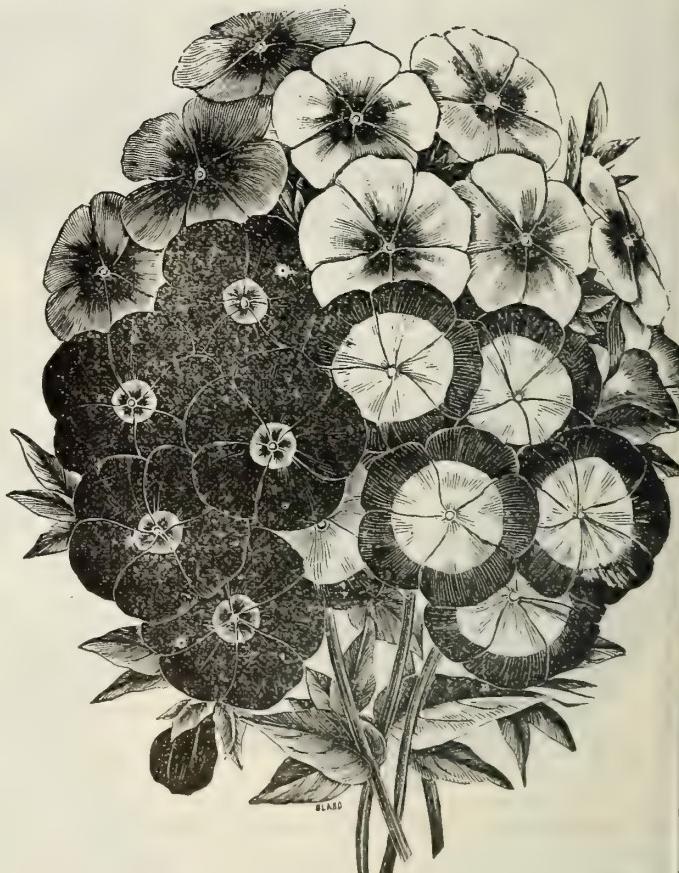
224—Snowball. Pure white.....10c.

225—Mixed Colors. All the choice varieties.  $\frac{1}{2}$  oz. 30c.,  $\frac{1}{2}$  oz. 50c.....10c.

## Star, or Fringed Phlox. Star of Quedlinburg.

226—A distinct class, having petals partly fringed, partly toothed, instead of the entire round form of other Phloxes, and some of which being longer than others and regularly placed give the flowers a star-like appearance.

Mixed Colors.  $\frac{1}{2}$  oz. 25c., oz. 90c.....10c.



## PERENNIAL PHLOX.

An old, well-known and very popular herbaceous plant, and growing in favor yearly. While propagation is usually accomplished by the amateur by division and by the florist with cuttings, our choice new varieties are seedlings and the field is open to all to easily increase their stock in this way, and is, to say the least, an interesting one, with but little expense.

227—Tall Varieties. Mixed colors. Seed saved from choices varieties .....



Double China.

## PINK

DIANTHUS

See also Carnation

- T**HE following varieties of Dianthus, commonly known as Chinese and Japanese Pinks, have been for a long time very popular, and deservedly so. In diversity of rich and beautiful markings they have but few rivals, and in ease of culture, freedom of bloom, and almost certainty of satisfactory results, they stand close to the Nasturtium. They are all hardy biennials, blooming the first year from seed, and some in most localities will often produce larger and finer flowers the second, but, owing to the ease with which they can be grown from seed, few treat them as biennials. Seed may be sown in the open ground at any time during May. Plants should stand about six inches apart.
- 228—**Double China.** (*Chinensis fl. pl.*) Plant compact, bearing in large clusters small, double flowers of varied colorings. Mixed colors,  $\frac{1}{2}$  oz. 15c., oz. 25c.....5c.
- 229—**Double White.** (*Chinensis dalba fl. pl.*) Double pure white.....5c.
- 230—**Hedewig's Double.** (*Hedewigi fl. pl.*) Flowers very large and double, with finely fringed petals. A very fine strain, embracing a wide range of colors,—pink, rose, purple, maroon, white, and occasionally black and white. All colors mixed,  $\frac{1}{2}$  oz. 20c., oz. 65c.....5c.
- 31—**Crimson Belle.** (*Hedewigi's.*) Large single flowers, beautifully fringed; deep crimson.....5c.
- 32—**Eastern Queen.** (*Hedewigi's.*) Flowers single, often two to four inches across; silvery white ground, with rich shadings and crimson center.....5c.
- 33—**Mourning Cloak.** (*Hedewigi's.*) Large double flowers, with deep mahogany, almost black ground, and finely fringed edge of white.....5c.
- 34—**Hedewig's Single Mixed.** Fine large flowers, of brilliant colors, deeply fringed or feathered.....5c.
- 35—**Double Diadem.** (*Diademata fl. pl.*) Flowers large, double and finely marked. Beautiful and varied in color, running from crimson-purple to black purple. Choice mixed.....5c.
- 36—**Double Imperial.** (*Imperialis fl. pl.*) Bright, showy flowers, very double, finely variegated in a wide range of colors.  $\frac{1}{2}$  oz. 15c., oz. 50c.....5c.
- 37—**Double Japan.** (*Lacinatus fl. pl.*) Large double fringed flowers, of peculiarly rich and varied colorings. A choice strain.....5c.
- 38—**WORCESTER MIXED.** Our own unsurpassed mixture of above and other choice varieties.  $\frac{1}{2}$  oz. 20c., oz. 60c...5c.
- 239—**DOUBLE DWARF LARGE FLOWERING HYBRIDS.** The plants of this new strain are of dwarf habit, only nine to ten inches in height when in full bloom. They bloom profusely and the flowers are of fine form and substance, of brilliant colors, and of the largest size, specimens often reaching a diameter of three inches. They embrace all colors, from white to crimson, and are mostly variegated in the striking markings peculiar to the Dianthus...10c.



Hedewig's Single.

## PHYSALIS.

(Franchetti—Chinese Lantern Plant.)

- 240—This has been extensively advertised under the latter name, and has also been known as the Japanese Winter Cherry. It is really a small-fruited Husk Tomato, but of little value, if any, for eating. It is, however, of merit as an ornamental plant, the large, bright-red husks, or pods, produced in the axils of the leaves making it very showy. The roots are perfectly hardy and send up numerous shoots early in the spring. These are of straggling growth but, when covered with the bright pods, the plant is very effective for either garden or house decoration. Perennial; easily attaining a fruiting size the first year.....10c.

## PORTULACA

WELL-KNOWN tender annuals, blooming profusely soon after seed is sown until cut down by frost. They thrive in nearly all soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. They are of but little value for cutting, but for a dazzling display, when sown in masses, nothing equals them.

- 41—**Single Mixed.**  $\frac{1}{2}$  oz. 25c., oz. 40c.....5c.

- 42—**Double, Choice Mixed.** Usually from fifty to sixty per cent of the flowers will come double, attaining to the highest proportion and largest size the latter part of the summer.  $\frac{1}{2}$  oz. 40c.,  $\frac{1}{2}$  oz. 65c.....10c.



Double Japan.



UMBROSUM POPPY.

# POPPIY

But pleasures are like Poppies spread;  
You seize the flower, its bloom is shed

—BURNS.

This well-known plant is of the easiest culture, only requiring to be sown where designed to remain as it is very difficult to transplant. Although not generally adapted for cutting, some of the recent additions have flowers of more lasting quality than the older type, of which the poet writes.



SNOWDRIFT POPPY.

- 243—**Umbrosum.** Scarlet, with black spot on each petal. A very showy variety, of dwarf habit.....5c.  
 244—**Snowdrift.** Large, pure white flower, very double and finely fringed. A grand variety.....5c.  
 245—**Cardinal.** Large, double flower, bright cardinal red; as finely fringed as the Snowdrift. A worthy companion for that beautiful variety.....5c.  
 246—**Tulip-Flowered.** Splendid large flower, borne well above the foliage, cup-shaped, bright scarlet, sometimes having a black spot at base of each petal. Very beautiful, and when grown in mass resemble a bed of scarlet Tulips. 1½ ft. ....5c.  
 247—**Shirley.** Flowers large, generally single or semi-double. Of a wide range of color, running from blush-white through shades of pink-rose and carmine to deep crimson, occasionally blottedched or streaked with white. A very graceful and elegant variety, especially fine for cutting.....5c.  
 248—**Double Carnation-Flowered, Mixed.** An old but desirable strain, embracing many distinct shadings and colors. Flowers very large and double, with beautifully fringed petals.....5c.  
 249—**Danebrog.** A single-flowered variety; bright scarlet with white spot at base of each petal. Very showy and distinct. 5c.

## ROCKET. (*Hesperis Matronalis.*)

In rival pomp, see either Rocket blow,  
Bright as the sun, or as the new fallen snow. —EVANS.

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. The fragrance is much more powerful in the evening. 1½ ft.

- 253—**Mixed.** .....5c.

## RICINUS. (See Castor Bean.)

**RHODANTHE.** One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade, they will retain their color for years. Tender annual. 1 ft.

- 254—**Mixed Colors.** Various shades of pink, rose, crimson and white.....5c.

**SALVIA.** (Flowering Sage.) Well-known perennials, blooming the first year from seed sown early in heat. They grow well in any light, rich soil, and will bloom until after frost. The Splendens (Scarlet) is one of our best and most effective plants for lawn decoration.

- 255—**Splendens.** The well-known variety; bright scarlet. 10c.

- 250—**Worcester Mixed.** Our own mixture of the preceding varieties and several others, all annuals, cannot fail to please....5c.  
 ½ oz. 15c.; oz. 50c.

## PERENNIAL VARIETIES.

### ICELAND POPPIES.

These bloom the first year from seed. Large satiny flowers, borne on long stems; somewhat fragrant; excellent for cutting, remaining in good condition several days if cut when first open. The plant is perfectly hardy and blooms from June to October.

- 251—**White, Yellow and Orange, mixed.** .....5c

### ORIENTAL POPPIES.

These are also perfectly hardy and may be used to advantage in the perennial border. Seed may be sown in the open ground late in fall or early in the spring. They bloom early the second spring from sowing. All are single-flowered and of some shade of red, the following variety being much the best of the class.

- 252—**Orienteale.** Flowers of immense size, six inches in diameter, bright scarlet. 3 ft. .....10c.

## SCABIOSA, or Sweet Scabious. Mourning Bride.

The Scabious blooms in sad array,  
A mourner in her spring. —Flora's Interpreter.

A popular hardy annual, blooming freely in cool locations or during the late summer and fall. The flowers of the Tall varieties are borne on slender but stiff stems and are excellent for cutting. The foliage is of compact, rounded form, about ten inches in height. The Dwarf varieties are similar in form but only one-half the height.

- 256—**Dwarf Double.** Mixed, all colors. Includes the new varieties.....5c.

- 257—**New Tall Large-Flowering Double.** Mixed. Large double flowers in a remarkably wide range of colorings, shading from white to pink, crimson to deep red, and from lilac to deep black.....5c.

## SENSITIVE PLANT. (*Mimosa Pudica.*)

Weak with nice sense the chaste Mimosa stands,  
And from each touch withdraws her timid hands. —DARWIN.

Very curious and interesting plant, the leaves closing if touched or shaken. Half-hardy annual.

- 258—**Sensitive Plant.** Pinkish white; 1½ ft.....5c.

# SWEET PEAS

*Here are Sweet Peas, on tiptoe for a flight;  
With wings of gentle flush o'er delicate white,  
And taper fingers catching at all things,  
To bind them all about with tiny rings. —Keats.*

Sweet Peas succeed best when planted early, the earlier the better. Some one has wisely said that the best soil for some plants is the best one has, which applied to this plant would be one way of saying that it thrives on nearly all soils. The exceptions are those extremely dry, hard clay and those extremely heavy or wet. Soil should be at least of medium richness and well worked before planting. Just why this plant which grows so vigorously most seasons should sometimes fail to grow at all satisfactorily we have never been able to determine. We think the best results are obtained by planting as follows: make broad trenches six inches deep but with the center raised two inches. On this sow the seed (thickly—twenty-five seeds to the foot is not too many) and cover not more than two inches. As the young plants grow gradually fill the trench always keeping the sides lower than the center. The object of deep planting is to afford the roots that cool condition of the soil in which they seem to delight and thrive; the object in keeping sides of trench lower, to afford drainage in case of heavy rain-fall. It is advisable also to follow the latter plan through the season as it affords a convenient place for irrigation, in fact is the only proper way to irrigate, for as usually done with the center the lower not only are the plants injured by standing water, but the earth immediately around the plants is packed hard which greatly retards their growth. Seed is sometimes sown in single rows four feet apart and plants supported by strings or poultry wire, but we prefer to sow in double rows sixteen inches apart allowing five feet between the double rows and to use the only ideal support for this plant—birch brush.

Descriptions of flowers are at their best unsatisfactory. Especially is this true of such as the Sweet Pea as, notwithstanding the wonderful diversity in varieties, some are somewhat similar, are included in the same color class, and descriptions of such, especially brief ones, must necessarily be nearly or quite synonymous. The following list is intended to comprise only the best or most desirable varieties and such as are to some extent, distinctive. Our selections are largely those classed as best in "Field Notes on Sweet Peas," edited and published by C. C. Morse & Co. of San Francisco, Cal., probably much the largest growers of sweet peas in the world and whose many years of experience have well-fitted them to pronounce upon the merits or faults of varieties. Nearly all are of the large-flowered type, many have three flowers to the stem and some four. The few not of this type are retained either because of some especially desirable feature like earliness or remarkable profusion of bloom or because especially popular. The alphabetical arrangement will aid in selecting desired varieties, the color classification in selecting desired colors or shades.

ALL VARIETIES AT UNIFORM PRICE. PKT. 5c. SEVEN PKTS. 25c. (THIS OFFER IS NET, SPECIAL OFFER OF SEED IN PACKETS NOT TO APPLY.) OUNCE 10c. ONE OUNCE EACH OF ANY FOUR VARIETIES 25c.,  $\frac{1}{2}$  lb. 20c.,  $\frac{1}{2}$  lb. 34c., lb. 58c., POSTPAID. BY EXPRESS OR FREIGHT OR AT COUNTER,  $\frac{1}{2}$  lb. 30c., lb. 50c.



10. COUNTESS OF CADOGAN. Standard opens nearly purple but soon changes to lilac and later to blue; wings bright blue, shaded, lighter at edges. Whole effect bright blue when mature. Superior in form to Navy Blue.

11. DAINTY. Pure white edged with light pink on both standard and wings and shaded lightly with light pink; medium size, hooded form. The stems are the longest of any variety and bear, almost invariably, four flowers.

12. DOROTHY ECKFORD. The best pure white variety, of the largest size and best semihooded form. Is similar in effect to Blanche Burpee but fully one half larger.

13. DUKE OF CLARENCE. Dark claret, self colored; large, hooded form of the best type. The lower flower on the stem is usually double.

14. DUKE OF WESTMINSTER. Standard clear purple; wings purple with tint of violet; large, hooded form.

15. EARLIEST OF ALL. Very similar to Extra Early Blanche Ferry but earlier.

16. ELIZA ECKFORD. Standard white, shaded with pink; wings white lightly tinged with pink; medium size.

17. EMILY ECKFORD. Standard rose purple; wings lilac.

18. EMILY HENDERSON. Pure white; large, open form, petals of more substance than other white sorts; not as graceful in form as the hooded varieties, stems very thick. Plant of vigorous growth and blooms profusely.

19. EXTRA EARLY BLANCHE FERRY. Similar to Blanche Ferry but two weeks earlier.

20. FLORA NORTON. Bright, clear blue with a faint suggestion of purple at times; medium size, open form. More nearly blue than any other.

21. GOLDEN ROSE. Primrose, lightly striped and mottled with light pink; very large, semi-hooded form of the finest type; wings unusually large; both wings and standard wavy at edges.

22. GORGEOUS. Standard scarlet orange; wings bright rose strongly tinged with orange; medium size, open form. Intensely bright, much more so than any of this class, very attractive but burns in hot sun.

23. GRAY FRIAR. Heliotrope marbled or dusted on white and generally showing a few stripes of violet near midrib of standard; large, hooded form.

24. HON. F. BOUVERIE. Standard and wings both deep pink at the base shading to very light pink at the edges with ground of primrose. In effect nearly buff.

25. JANET SCOTT. Deep but bright pink showing buff at top of standard, the top blossom lighter pink and showing more buff; large, hooded form. Distinct in both color and form.

26. JEANNIE GORDON. Standard rose veined with deeper rose, on primrose ground; wings primrose tinged with pink; large, hooded form.

27. JESSIE CUTHBERTSON. Primrose striped with light pink; large, hooded form.

1. AMERICA. Crimson scarlet, striped, on white; large, open form. The brightest striped variety.

2. AMERICAN QUEEN. Magenta rose, self-colored; large, open form. Very bright and holds color well.

3. APPLE BLOSSOM. Standard carmine pink shaded at midrib to lighter at edges; wings white, tinged and shaded with pink, medium size, hooded form.

4. AURORA. Orange rose, striped on white, large hooded form of the best type. Very attractive.

5. BLACK KNIGHT. Very deep maroon with veinings almost black; large, open form.

6. BLANCHE BURPEE. Pure white, large, slightly hooded. A popular variety but not equal to Dorothy Eckford.

7. BLANCHE FERRY. Standard bright carmine rose; wings white tinged with pink; medium size, open form. The most popular pink and white variety.

8. COCCINEA. Pure cerise, self colored; under medium size, semi-hooded. Very bright, effective and distinct but burns in hot sun.

9. COUNTESS OF LATHOM. Cream pink, self colored; medium size, hooded form.

# SWEET PEAS--Continued

28. KATHERINE TRACY. Standard soft pink; wings a trifle lighter; almost a self color; medium size, open form. The standard is nearly round and inclined to wavy edges. A very attractive flower and plant is of very vigorous growth but usually bears but two flowers to the stem.

29. KING EDWARD VII. Bright red or crimson scarlet, almost self-colored. Of largest size and open form. One of the best of this color.

30. LADY NINA BALFOUR. Standard mauve, wings lavender, on a primrose ground giving the blossom a pearl gray tone quite distinct from New Countess.

31. LADY GRISEL HAMILTON. The largest size and lightest shade of lavender varieties; of hooded form.

32. LADY MARY CURRIE. Standard crimson orange, wings crimson with tint of orange; above medium size, hooded form.

33. LORD ROSEBERRY. Bright magenta rose showing veins of deeper shade; large, hooded form.

34. LOTTIE ECKFORD. Standard white heavily shaded with lilac; wings white shaded with lighter lilac and both have a rim of deep blue; large, hooded form, strongly inclined to double.

35. LOVELY. Deep pink shading to light pink at the edges; large, hooded form. Plant vigorous, usually has four flowers to the stem. A very attractive variety.

36. MAJESTIC. Rose red, self colored on a primrose ground; large, hooded form.

37. MARCHIONESS CHOLMONDELEY. Standard light salmon, buff and cream; wings light buff; above medium size, hooded form.

38. MISS WILMOT. Standard orange pink veined with deeper shade; wings rose tinted orange; very large, semi-hooded form of best type. Stems long; plant vigorous. The largest and best of this shade.

39. MODESTY. White with tint of pink a little deeper at the edges; medium size, hooded form.

40. MONT BLANC. Pure white, medium size and open form. Plant dwarf, very early.

41. MRS. DUGDALE. Crimson rose, self colored, on primrose ground; very large, semi-hooded form of a distinct shell shape—one of the best forms we have. A fine variety, distinct and attractive.

42. MRS. GEO. HIGGINSON JR. Light lavender almost azure blue and nearly free from any tint of mauve; medium size, semi-hooded form.

43. MRS. JOS. CHAMBERLAIN. Rose striped on white; very large, hooded form.

44. MRS. WALTER WRIGHT. Rose purple, self colored; very large, hooded form.

45. NEW COUNTESS. Nearly pure lavender, self-colored; medium size, hooded form.

46. NYMPHAEA. The first blossoms open white but turn pink, the bottom flower being darker than the others, the top remaining always white; large, semi-hooded form with slightly wavy edges. Stems long and usually bear four flowers.

47. OTHELLO. Very dark maroon showing veins of almost black; large, hooded form.

48. PRIMA DONNA. Pure pink, self colored; over medium size, hooded form. Vine vigorous, usually four flowers to the stem. The best of the pink sorts.

49. PRINCE EDWARD OF YORK. Standard scarlet with tint of crimson; wings crimson; large, open form.

50. PRINCI OF WALES. Rose crimson, self-colored. Vine vigorous, usually four blossoms to the stem. The largest and finest of this shade.

51. QUEEN VICTORIA. Light primrose, self-colored; over medium size, hooded form. Being black-seeded is more nearly sure to germinate and to grow more vigorously than white-seeded varieties of this shade.

52. RAMONA. Light pink striped on white; over medium size, hooded form.

53. ROYAL ROSE. Standard crimson pink, shading deeper at midrib; wings pink shading lighter at edges; very large, semi-hooded form of the best type.

54. SALOPIAN. Pure red, self-colored; large, hooded form. Stands hot sun better than others of this color. One of the best.

55. SENSATION. Standard very light pink and buff; wings pure white; over medium size, hooded form of the best type. Nearly always four blossoms to the stem.

56. SHASTA. Pure white; very large, open form, wavy at the edges. Usually four blossoms to the stem.

57. STELLA MORSE. Buff with tint of pink a little deeper at the edges. When bunched has a rich cream effect.

58. SUNSET. Primrose striped with rose; large, hooded form.

59. THE HON. MRS. E. KENYON. Light primrose, self-colored; very large, semi-hooded form. The best of this shade.

60. TRIUMPH. Standard rose heavily veined with scarlet rose; wings light crimson pink veined with crimson; large, open form.

61. VENUS. Light pink and buff blended; medium size, open form.

62. WHITE WONDER. Pure white; frequently produces double stems with five to nine blossoms, fully half of the flowers being double, having two or three standards. Under general conditions a large percentage of the blossoms are double so this variety may be regarded as the very best double white.

## COLOR CLASSIFICATION. A duplicate list which will aid in selecting desired colors or shades.

WHITE. Blanche Burpee, Dorothy Eckford, Emily Henderson, Mont Blanc, Shasta, White Wonder.

PALE YELLOW OR PRIMROSE, AND LIGHT PINK AND PRIMROSE, Coquette, Marchioness of Cholmondeley, Queen Victoria, Stella Morse, The Hon. Mrs. E. Kenyon.

VERY LIGHT PINK OR LIGHT BLUSH. Modesty, Sensation.

LIGHT PINK, CLEAR PINK, AND PINK AND BUFF. Countess of Lathom, Dainty, Eliza Eckford, Hon. F. Bouvierie, Janet Scott, Katherine Tracy, Lovely, Nymphaea, Prima Donna, Venus.

DEEPER PINK. Apple Blossom, Jeannie Gordon, Royal Rose, Triumph.

ROSE. American Queen, Lord Roseberry, Majestic, Mrs. Dugdale, Prince of Wales.

ORANGE AND PINK. Gorgeous, Lady Mary Currie, Miss Wilmot.

SHADES OF RED. Coccinea, King Edward VII, Prince Edward of York, Salopian.

ROSE AND WHITE. Blanche Ferry, Earliest of all. Extra Early Blanche Ferry.

LAVENDER AND MAUVE. Emily Eckford, Lady Grisel Hamilton, Lady Nina Balfour, Lottie Eckford, Mrs. Geo. Higginson Jr., Mrs. Walter Wright, New Countess.

BLUE AND PURPLE. Countess of Cadogan, Duke of Westminster, Flora Norton.

VERY DARK SHADES—CLARET AND MAROON. Black Knight, Duke of Clarence, Othello.

STRIPED AND VARIEGATED. America, Aurora, Golden Rose, Gray Friar, Jessie Cuthbertson, Mrs. Jos. Chamberlain, Ramona, Sunset.

## Four New "Orchid Flowered" Sweet Peas. A NEW RACE OF REMARKABLE SIZE AND BEAUTY.

COUNTESS SPENCER. The first of this new type. Not only are both standard and wings extremely large but the flower is of distinct form having beautifully crumpled or wavy edges. The coloring is very light pink showing deeper at the edges. The flowers usually measure two inches across and are borne three or four to the stem. The latter is long and plant is of especially vigorous growth. An exquisite variety more nearly approaching perfection than any before introduced. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.

JOHN INGMAN. A selection from the preceding, of the same type and nearly equal in size; of the finest open form with crumpled edges; rose carmine showing veins of deeper shade. The stems are long and stiff and often bear four flowers. The plant is of vigorous growth and blooms profusely. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.

HELEN LEWIS. A seedling of Countess Spencer. The standard is reflexed showing the distinctly fluted or ruffled effect while the wings roll and fold; standard crimson orange, wings orange rose; of the largest size unique and attractive in form and considered by experts one of the finest varieties. Pkt. 15c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

GLADYS UNWIN. Another lovely variety of the orchid-flowered type, in color similar to Countess Spencer but several shades lighter and having the same beautifully crumpled edges. The stems are long and flowers very large. A very desirable feature of this variety is that about three-fourths of the stems have four flowers.

Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.

# SWEET PEAS—CONTINUED.

## OTHER NEW SWEET PEAS.

**HELEN PIERCE.** Pure white, mottled or dotted with bright blue and very faintly veined with same color but with no suggestion of stripes. The first of this peculiar marking, which may perhaps be described as being colored and marked like a blue mottled Gloxinia. Of good size; shell-shaped or semi-hooded form. The stems are long, bear three, and frequently four flowers all facing one way. A very pleasing variety, especially effective when bunched by itself. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.

**SCARLET GEM.** This, though not of the largest size, is considered the best of Mr. Eckford's productions of this color. It is a beautiful, clear, almost

dazzling scarlet and is said to have created a sensation in England, where it has been pronounced as "a wonderful color, closely resembling that of a Scarlet Geranium." Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.

**BLACK MICHAEL.** "This is a very beautiful, well shaped, and large flower, of the finest texture; in color it is a bright shining reddish brown very striking and almost a self, the wings being only a shade lighter than the standard; it is a very desirable color." Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.

**PHENOMENAL.** A new variety of American origin of the orchid-flowered type having wavy petals. Very large, hooded form and the lower blossom on the stem is usually double; white shaded and edged with violet. Resembles Lottie Eckford but is very much grander and finer in every way. Pkt. 15c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

## SWEET PEAS IN MIXTURE.

The Latest and Best of English and American Introductions. Of Large Size and Most Improved Forms. Long Stems Bearing Three or Four Blossoms. Beautiful Colors and Shades Blended in Pleasing Variation.

## AN UNSURPASSED MIXTURE — THE BEST

### OUR BEST MIXED.

In addition to selections from our recently revised general list of the most desirable varieties this mixture includes the four varieties of the new type—the Giant Orchid-Flowered, the new variety with Gloxinia-like markings, the first and only one of this type yet offered, the other new varieties described above and many new unnamed hybrids, all blended in desirable proportions of color (a very important feature) affording a mixture which, though of the most pleasing and greatest possible diversity is not, like many, prepared in equal quantities of varieties and colors, preference being given to the solid or self-colored varieties rather than to those of less pronounced type or to the striped. Owing to the recent introductions of remarkable size and beauty this mixture is better than any we have ever before offered. It will be better only when improved varieties are introduced. It could not be better at present. *It is now the Best.* Pkt. 5c., oz. 12c., 2 ozs. 20c.,  $\frac{1}{2}$  lb. 25c.,  $\frac{1}{2}$  lb. 44c., lb. 83c., postpaid; by express,  $\frac{1}{2}$  lb. 40c., lb. 75c.

**CHOICE MIXED.** This mixture is prepared with the same care as our Best Mixed. It contains many named varieties of merit and though it does not include the preceding new varieties and some others of latest introduction which we do not list for want of space, it is a high grade mixture and sure to please. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{2}$  lb. 20c.,  $\frac{1}{2}$  lb. 34c., lb. 58c., postpaid; by express  $\frac{1}{2}$  lb. 30c., lb. 50c.

### Collection of Sweet Peas.

These collections are made of our regular full sized packets and, while of our selection, are guaranteed to contain only desirable varieties. They are NOT included in our Special Offer.

|                          |                     |           |
|--------------------------|---------------------|-----------|
| OUR SPECIAL COLLECTION.  | 10 Named Varieties, | 25 cents. |
| OUR FAVORITE COLLECTION. | 15 Named Varieties, | 35 cents. |

**CUPID or DWARF SWEET PEAS.** Plants of this class seldom grow over six inches high but form a dense mass of foliage which so shades the ground that the class thrives better on somewhat light and dry soil than the tall. Though the flowers have such short stems they are of no value for cutting they are freely produced, if none are allowed to go to seed, and closely approach in size those of the tall sorts. Desirable as a bedding plant. Choicest Mixed, including nearly all colors and shades found in the tall sorts. Pkt. 5c., oz. 10c.,  $\frac{1}{2}$  lb. 25c.

### STOCK.

One of our most popular and easily grown annuals, only needing a good, rich soil, good seed and ordinary culture to furnish a profusion of beautiful and fragrant flowers. The seed now offered is a great improvement on the old strains of Gilliflowers, and will produce as large a proportion of double flowers as plants of the named sorts grown from cuttings.

**265—LARGEST FLOWERING GLOBE PYRAMIDAL MIXED.** This new strain produces flowers of the largest size and perfectly double. Individual blooms are often over two inches in diameter.  $\frac{1}{2}$  oz. 75c., 10c.

**266—LARGE-FLOWERING DWARF—TEN WEEKS.** An improved strain of the German Ten weeks. Flowers very large and double. Plant of dwarf habit, blooms profusely, and is excellent for bedding. Mixed colors.  $\frac{1}{2}$  oz. 40c.,  $\frac{1}{2}$  oz. 75c., 10c.

**267—DOUBLE GERMAN TEN WEEKS.** Fine mixed.  $\frac{1}{2}$  oz. 25c.,  $\frac{1}{2}$  oz. 40c., oz. \$1.50. 5c.

**268—GIANT PERFECTION.** One of the finest large-flowered varieties, with large spikes of double flowers. Plant of vigorous habit, growing about two and one-half feet in height. Mixed colors. 10c.

**269—CUT-AND-COME AGAIN.** (Princess Alice.) Plant of branching habit, producing from spring to fall a profusion of pure white double flowers.  $\frac{1}{2}$  oz. 75c. 10c.

### EVERLASTING, OR PERENNIAL SWEET PEA.

(*Lathyrus Latifolius*.)

This is very hardy, having long roots which penetrate the soil to a great depth. It is slow in starting, does not produce many flowers the second year, but when fully established blooms profusely and is one of the most satisfactory perennials. The flowers are borne in clusters on stout stems, only lacking fragrance to make them more popular; but they are, nevertheless, especially valuable for cutting, and the plant should be more generally cultivated. The colors are white, purple and red.  
261—Mixed Colors 5c.

### SWEET WILLIAM. (*Dianthus Barbatus*.)

This well-known, free flowering perennial is very desirable for an effective display in the border, is of the easiest culture, and should be more generally cultivated. Seeds may be sown at any time from early spring to the middle of August and will make fine blooming plants for the following spring.

262—Choice Single, Mixed, 5c. 263—Choice Double, Mixed, 5c.

### SWEET SULTAN. (*Centaurea Moschata*.)

An annual of easy culture, bearing fragrant flowers.

264—Mixed, White and Purple, 5c.



Lower Flower 1-2 Actual Size.  
EMPEROR SALPIGLOSSIS.

## SALPIGLOSSIS - VELVET FLOWER.

A lovely class of half-hardy annuals which should be more generally cultivated. Flowers funnel-shaped, of beautiful and varied colors, exquisitely marbled and veined; in bloom from August to October. 1 $\frac{1}{2}$  to 2 ft.

270—Choice Mixed.....5c.

271—NEW EMPEROR. This forms only one leading stem, which often grows as thick as one's finger and bears on its end a bouquet of the most beautiful flowers. These are richly veined with gold and much larger than those of the old type. There is as much difference between the "Emperor" variety and the old type as between the improved varieties of Petunias and the common. The throat is wide open and short, and the edge of the flower is not so deeply incurved as with the old type. Mixed colors.....10c.

## VERBENA.

A well-known favorite flower, which should be more generally grown from seed. If sown in the open ground in May it will bloom in August, and, of course, somewhat earlier if sown in the house in March. Half-hardy perennial trailer. 1 ft.

272—MAMMOTH, Mixed. Not only are the trusses of extra size, but the individual florets as well are much larger than in any of the old varieties, often greater in diameter than a silver quarter. It embraces all the colors with the markings peculiar to the Verbena.  $\frac{1}{2}$  oz. 40c., oz. \$1.50.....10c.

273—SCARLET DEFIANCE. Large trusses; bright glowing scarlet .....10c.

274—MAMMOTH WHITE. Both truss and florets are of the largest size. Flowers are of good substance and of delightful fragrance.....10c.

## ZINNIA. Youth and Old Age.

The Zinnia has always been a popular plant on account of its freedom of bloom, bright, showy flowers, and the ease with which it could be grown. Although not a graceful plant, it is, when grown in masses or as the background to other lower-growing plants, striking and effective. Hardy annual. 1 to 3 ft. .

282—MAMMOTH, Mixed. This plant is of unusually vigorous growth, often reaching a height of three feet. The very double flowers are of immense size, about four inches in diameter, and of rich and varied color.  $\frac{1}{2}$  oz. 25c., oz. 75c.....10c.

283—CHOICE MIXED. Not equal in size of flower to the Mammoth, but, nevertheless, a fine strain of double flowers with many brilliant colors. .....5c.

284—STRIPED, or Zebra. The flowers of this are striped or mottled with contrasting colors. .....10c.

285—LILLIPUT, Mixed. Plant grows about one foot high and bears in profusion small, very double and globular flowers about one inch in diameter of very brilliant colors.....10c.

286—HAAGEANA. Plant of distinct growth, more slender than others, flowers a little over an inch in diameter, semi-double and single. Color deep orange. The plant is of very free-flowering habit, and the flowers are excellent for cutting. .....10c.

275—ITALIAN STRIPED. The trusses of this are large, but florets are smaller than are those of preceding varieties. Each floret is distinctly striped in bright colorings embracing a wide range of shades .....10c.

276—FINE MIXED. All colors.  $\frac{1}{2}$  oz. 25c., oz. 75c.....5c.

277—HYBRIDA COMPACTA. Mixed. A distinct strain, of dwarf habit. The plant forms a compact bush about five inches in height and blooms profusely throughout the season. Trusses large; colors white, scarlet and violet .....10c.

## WALL FLOWER.

The flowers of the Wall Flower are deliciously fragrant and greatly prized. The large, massive, conspicuous spikes of the Double German varieties have a charming effect, while the more bushy, compact growth and profuse blooming single ones render them exceedingly attractive. Tender perennials. 1 $\frac{1}{2}$  ft.

278—SINGLE, Fine Mixed.....5c.

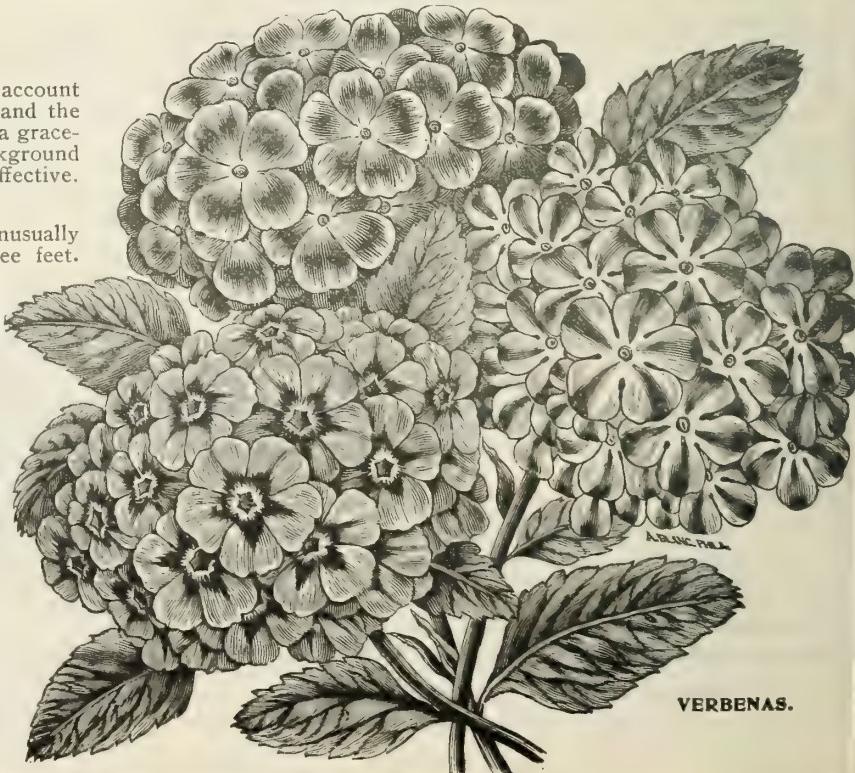
279—DOUBLE, Choice Mixed .....10c.

## WILD CUCUMBER. *Echinocystis Lobata*.

280—A very rapid growing annual climber, reaching a height of 20 feet. Seeds germinate more freely if soaked a few hours in warm water before sowing .....5c.

## WILD FLOWER GARDEN MIXTURE.

281—This mixture is made from a large number of the best free-flowering annuals, and will be found very useful to sow in various places where there is quite an area to be filled up without much expense or labor. If properly cared for and weeds are kept out, this mixture will furnish flowers continually through the season. oz. 25c.,  $\frac{1}{2}$  lb. 75c..5c.



VERBENAS.

# MAPES COMPLETE FERTILIZERS

THE CHOICEST MATERIALS ARE USED IN THE MAPES MANURES.

## HIGH FARMING WITH FERTILIZERS.

**I**t is an inspiration to all lovers of profitable agriculture to read the Mapes pamphlets. Professor Mapes has long exerted a powerful influence in behalf of better agriculture and more profitable farming in the Middle and New England States, and also at the South. His annual pamphlets are always full of meat, "horse sense," and the practical experience of farmers, fruit growers, market gardeners and others who continue to use Mapes Manures year after year because it pays them to do so. Find the Mapes Manures are worth what they sell for is abundantly demonstrated by the experience of thousands of satisfied farmers. Whether you use fertilizers or not you will be benefited by reading the Mapes pamphlet, which is of genuine value as agricultural literature. It is mailed free. Ask for it.

**Potato Manure.** Ammonia, 4.50 to 5 per cent.; Phosphoric Acid 8 to 10 per cent. (soluble and available, 8 per cent.); Soluble Potash, actual, 6 to 8 per cent., all as high grade Sulphate, and in forms free from Muriates (or Chlorides), Magnesia, Lime, etc. For Irish and Sweet Potatoes, also Asparagus, Early Vegetables, Tomatoes, Sugar Beets, Sorghum and Sugar Cane. Per 100 lbs., \$2.20; per ton, \$42.00.

**Corn Manure.** Ammonia, 3.50 to 5 per cent.; Phosphoric Acid, 12 to 13 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 6 to 7 per cent. For Sweet Corn, Fodder Corn, Hungarian Grass, Millet, Late Turnips, Late Cabbage, Seeding to Grass. Per 100 lbs., \$2.10; per ton, \$39.00.

**Economical Potato Manure.** Ammonia, 4 to 5 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 4 to 5 per cent.); Soluble Potash, actual, 8 to 10 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides). Per 100 lbs., \$2.00; per ton, \$39.00.

**Complete Manure.** (For general use.) Ammonia, 4 to 5 per cent.; Phosphoric Acid, 10 to 12 per cent. (soluble and available 8 to 10 per cent.); Soluble Potash, actual, 4 to 5 per cent. A substitute for stable manure. For use on all crops and all soils, with or without stable manure. Use broadcast; if any in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and Seeding with or without grain. Per 100 lbs., \$2.00; per ton, \$40.00.

**Grass and Grain Spring Top-Dressing.** Ammonia, 5 to 7 per cent. (soluble and available, 7 per cent.); Soluble Potash, actual, 5 to 7 per cent. Per 100 lbs., \$2.25; per ton, \$44.00.

**Complete Manure, ("A" Brand.)** Ammonia, 3 to 4 per cent.; Phosphoric Acid, 12 to 16 per cent. (soluble and available, 10 to 12 per cent.); Soluble Potash, actual, 2.50 to 3.50 per cent. For use in hill or drill on all crops, particularly in connection with farm manure. Special for Peas, Beans, Buckwheat and Turnips. Per 100 lbs., \$1.90; per ton, \$38.00.

**Fruit and Vine Manure.** Ammonia, 2 to 3 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 5 to 7 per cent.); Soluble Potash, actual, 10 to 12 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides). For insuring fruiting power, particularly in quality of fruits in vineyards (Grapes), Pears, Apples, Plums, Strawberries and small fruits. Is slow in effect. Per 100 lbs., \$2.25; per ton, \$44.00.

**Complete Manures** for light soils, or Vegetable Manures for all Soils. Ammonia, 6 to 8 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); Soluble Potash, actual, 6 to 8 per cent. This is our special manure on all kinds of soils, for Truck, Early Vegetables, Onions, Celery, Tomatoes; also on light soils for Oats, Hops and Barley. All vegetables require liberal supplies of soluble potash and in the proper forms. Even with heavy or clay soils the natural supplies of potash are insufficient. Per 100 lbs., \$2.25; per ton, \$45.00.

**Cereal Brand.** Ammonia, 2 to 3 per cent.; Phosphoric Acid, total, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); Actual Potash, 3 to 3.50 per cent. For Corn, Rye, Buckwheat, etc. Specially adapted for use in hill or drill. Per 100 lbs., \$1.65; per ton, \$32.00.

**Cauliflower and Cabbage Manure.** Ammonia, 5 to 6 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 6 per cent.); Soluble Potash, actual, 6 to 8 per cent. Per 100 lbs., \$2.10; per ton, \$41.00.

**Average Soil Complete Manure.** Ammonia, 5 to 6 per cent.; Phosphoric Acid, (soluble and available, 7 to 8 per cent.); Soluble Potash, actual, 5 to 6 per cent., all as high grade Sulphate, and in forms free from Muriates (or Chlorides). For Onions, Tomatoes, Vegetables of all kinds, Irish and Sweet Potatoes, Fruits, and Cranberries. A substitute for Stable Manure. Special for Tobacco on heavier soils. Per 100 lbs., \$2.00; per ton, \$39.00.

All of the above Manures are practically free from Chlorine  
We do not sell less than 100 lbs.

# ESSEX HIGH GRADE FERTILIZERS

## RAISE GOOD CROPS.

**T**HE Essex Fertilizers have as a basis the Dry Fish and Fish Bone produced by the Russian Cement Co. In the process of manufacture owned by this company, and which no other manufacturer can obtain, these ingredients are manipulated in a way which renders them especially valuable as plant food.

This accounts for the superior availability and crop producing power of the

### Essex A 1 Superphosphate.

#### GUARANTEED ANALYSIS.

|                           |                                    |           |
|---------------------------|------------------------------------|-----------|
| Ammonia                   | 1 $\frac{1}{2}$ to 1 $\frac{1}{2}$ | per cent. |
| Available Phosphoric Acid | 7 to 8                             | "         |
| Total Phosphoric Acid     | 9 to 11                            | "         |
| Actual Potash             | 2 to 2 $\frac{1}{2}$               | "         |

Price, per 100 lbs., \$1.50; per ton, \$29.00

### Essex XXX Fish and Potash.

#### GUARANTEED ANALYSIS.

|                                     |                                    |           |
|-------------------------------------|------------------------------------|-----------|
| Nitrogen                            | 2 $\frac{1}{2}$ to 3               | per cent. |
| Equivalent to Ammonia               | 2 $\frac{1}{2}$ to 3               | "         |
| Soluble Phosphoric Acid             | 4 $\frac{1}{2}$ to 5 $\frac{1}{2}$ | "         |
| Reverted Phosphoric Acid            | 4 $\frac{1}{2}$ to 5               | "         |
| Insoluble Phosphoric Acid from Bone | 3 to 3 $\frac{1}{2}$               | "         |
| Actual Potash                       | 2 $\frac{1}{2}$ to 3 $\frac{1}{2}$ | "         |
| Total Phosphoric Acid               | 12 to 14                           | "         |

Price, per 100 lbs., \$1.75; per ton, \$33.00

### Essex Corn Fertilizer.

#### GUARANTEED ANALYSIS.

|                                     |            |           |
|-------------------------------------|------------|-----------|
| Nitrogen                            | 2 to 5     | per cent. |
| Equivalent to Ammonia               | 2.4 to 3   | "         |
| Soluble Phosphoric Acid             | 4 to 5     | "         |
| Reverted Phosphoric Acid            | 4.5 to 5   | "         |
| Insoluble Phosphoric Acid from Bone | 2 to 3     | "         |
| Total Phosphoric Acid               | 10.5 to 13 | "         |
| Actual Potash                       | 3 to 3.5   | "         |

Price per 100 lbs., \$1.90; per ton, \$36.00

### Essex Market Garden and Potato Manure.

#### GUARANTEED ANALYSIS.

|                                     |          |           |
|-------------------------------------|----------|-----------|
| Nitrogen                            | 2 to 2.5 | per cent. |
| Equivalent to Ammonia               | 2.4 to 3 | "         |
| Soluble Phosphoric Acid             | 4 to 5   | "         |
| Reverted Phosphoric Acid            | 4 to 5   | "         |
| Insoluble Phosphoric Acid from Bone | 2 to 3   | "         |
| Total Phosphoric Acid               | 10 to 13 | "         |
| Actual Potash                       | 5 to 6   | "         |

Price, per 100 lbs., \$1.90; per ton, \$36.00

### Essex Complete Manure for Corn, Grain and Grass.

#### GUARANTEED ANALYSIS.

|                                     |                       |           |
|-------------------------------------|-----------------------|-----------|
| Nitrogen                            | 3.3 to 4.1            | per cent. |
| Equivalent to Ammonia               | 4 to 5                | "         |
| Soluble Phosphoric Acid             | 3 to 3 $\frac{1}{2}$  | "         |
| Reverted Phosphoric Acid            | 4 to 4 $\frac{1}{2}$  | "         |
| Insoluble Phosphoric Acid from Bone | 2 $\frac{1}{2}$ to 3  | "         |
| Total Phosphoric Acid               | 9 $\frac{1}{2}$ to 11 | "         |
| Actual Potash                       | 9 $\frac{1}{2}$ to 11 | "         |

Price, per 100 lbs., \$2.15; per ton, \$40.00

### Essex Complete Manure for Potatoes, Roots and Vegetables.

#### GUARANTEED ANALYSIS.

|                                     |                                    |           |
|-------------------------------------|------------------------------------|-----------|
| Nitrogen                            | 3.7 to 4 $\frac{1}{2}$             | per cent. |
| Equivalent to Ammonia               | 4 $\frac{1}{2}$ to 5 $\frac{1}{2}$ | "         |
| Soluble Phosphoric Acid             | 3 to 3 $\frac{1}{2}$               | "         |
| Reverted Phosphoric Acid            | 4 to 4 $\frac{1}{2}$               | "         |
| Insoluble Phosphoric Acid from Bone | 2 to 3                             | "         |
| Total Phosphoric Acid               | 9 to 11                            | "         |
| Actual Potash from Sulphate         | 8 $\frac{1}{2}$ to 10              | "         |

Price, per 100 lbs., \$2.20, per ton, \$42.00

We DO NOT SELL LESS THAN 100 LBS.

# Bradley's X. L. Phosphate, Bradley's Potato Fertilizer, Bradley's Complete Fertilizer for all Crops.

Special Pamphlet describing them all mailed free on application

## Bradley's Complete Manure for Potatoes and Vegetables

is particularly rich in ammonia and potash, and has given phenomenal results in growing large crops of the best quality of potatoes, onions, beets, turnips, carrots, cabbages, squashes, melons, etc. It is the most perfectly balanced fertilizer manufactured for growing all kinds of root crops and market garden truck. It is the market gardener's favorite.

### ANALYSIS

|                             |                       |
|-----------------------------|-----------------------|
| Nitrogen, equal to Ammonia, | 4.00 to 5.00 per cent |
| Available Phosphoric Acid,  | 8.00 to 11.00 "       |
| Total Phosphoric Acid,      | 9.00 to 13.00 "       |
| Potash ( $K_2O$ )           | 7.00 to 8.00 "        |
| Equal to Sulphate Potash,   | 12.95 to 14.80 "      |

Price per 100 lbs. \$2.25; per ton, \$24.00.

## BRADLEY'S X. L. PHOSPHATE

### ANALYSIS

|                             |                       |
|-----------------------------|-----------------------|
| Nitrogen, equal to Ammonia, | 3.00 to 4.00 per cent |
| Available Phosphoric Acid,  | 9.00 to 11.00 "       |
| Total Phosphoric Acid,      | 11.00 to 14.00 "      |
| Potash ( $K_2O$ )           | 2.00 to 3.00 "        |
| Equal to Sulphate Potash,   | 3.70 to 5.55 "        |

Price per 100 lbs. \$1.85; per 50 lbs. \$1.00; per 25 lbs. 65c; per ton, \$35.00.

## BRADLEY'S COMPLETE MANURE

With 10% Potash. Price per 100 lbs. \$2.15  
per ton \$24.00.

## BRADLEY'S COMPLETE MANURE

### FOR TOP DRESSING

Price per 100 lbs. \$2.10; per ton \$40.00.

## BRADLEY'S CORN PHOSPHATE

Price per 100 lbs. \$1.75; per ton \$34.00.

## BRADLEY'S POTATO FERTILIZER

is one of our best known and most popular brands, having been found a sure producer of large crops of fine quality potatoes. It is finely ground, and its superior mechanical condition insures even distribution either by hand or in a potato planter.

### ANALYSIS

|                            |                        |
|----------------------------|------------------------|
| Nitrogen equal to Ammonia, | 2.50 to 3.50 per cent. |
| Available Phosphoric Acid, | 8.00 to 10.00 "        |
| Total Phosphoric Acid,     | 9.00 to 12.00 "        |
| Potash ( $K_2O$ )          | 3.00 to 4.00 "         |
| Equal to Sulphate Potash   | 5.55 to 7.40 "         |

Price per 100 lbs., \$1.75; per ton, \$34.00.

## BRADLEY'S POTATO MANURE

### ANALYSIS

|                             |                        |
|-----------------------------|------------------------|
| Nitrogen, equal to Ammonia, | 3.00 to 4.00 per cent. |
| Available Phosphoric Acid,  | 6.00 to 8.00 per cent. |
| Total Phosphoric Acid,      | 8.00 to 11.00 "        |
| Potash ( $K_2O$ )           | 5.00 to 6.00 "         |
| Equal to Sulphate Potash,   | 9.00 to 11.00 "        |

Price per 100 lbs. \$1.85; per ton \$36.00.

# The Rogers Manufacturing Company's High Grade Bone Fertilizers.

ROCKFALL, - CONN.

For several years the various brands of Rogers HIGH GRADE Fertilizers have stood among the very best that are selling in New England. Below we give the analysis and prices. If you have not used them, we believe it would be for your interest to try them the coming season. The Top Dressing if judiciously used, will in many cases, double your hay crop. The HIGH GRADE Tobacco and also the Seeding Down Fertilizers are the best that are made. Write us for booklet of information.

### The Rogers Mfg. Co.'s All-Round Fertilizer.

#### GUARANTEED ANALYSIS

|                                      |                 |
|--------------------------------------|-----------------|
| Nitrogen, . . . .                    | 1.65 to 2.65%   |
| Equal to Ammonia                     | 2.00 to 3.00%   |
| Available Phos. Acid, 8.00 to 10.00% |                 |
| Total Phos. Acid, . . . .            | 10.00 to 12.00% |
| Potash (actual), . . . .             | 2.00 to 3.00%   |

Put up in Bags of 100 lbs. each.

The Rogers Mfg. Co.'s All-Round Fertilizer has given universal satisfaction to all who have used it.

Per ton \$32.00.

### The Rogers Mfg. Co.'s Complete Potato and Vegetable Fertilizer.

#### GUARANTEED ANALYSIS.

|                                      |                 |
|--------------------------------------|-----------------|
| Nitrogen, . . . .                    | 2.25 to 3.25%   |
| Equal to Ammonia, . . . .            | 2.75 to 4.00%   |
| Available Phos. Acid, 8.00 to 10.00% |                 |
| Total Phos. Acid, . . . .            | 10.00 to 12.00% |
| Potash (Actual), . . . .             | 5.00 to 6.00%   |

Put up in Bags of 100 lbs. each.

Per ton \$35.00.

### The Rogers Mfg. Co.'s High-Grade Grass and Grain Fertilizer.

#### FOR SEEDING DOWN, ETC.

#### GUARANTEED ANALYSIS.

|                               |                                  |
|-------------------------------|----------------------------------|
| Nitrogen, . . . .             | 3.00 to 4.00%                    |
| Equal to Ammonia              | 3.64 to 4.50%                    |
| Available Phos. Acid, . . . . | 16.00 to 17.00%                  |
| Total Phos. Acid, . . . .     | 12.50 to 14.00%                  |
| Potash (Actual), . . . .      | Put up in bags of 100 lbs. each. |

Per ton \$43.00.

### The Rogers Mfg. Co.'s High-Grade Complete Corn and Onion Manure.

#### GUARANTEED ANALYSIS.

|                               |               |
|-------------------------------|---------------|
| Nitrogen, . . . .             | 3.60 to 4.00% |
| Equal to Ammonia, . . . .     | 4.30 to 4.75% |
| Available Phos. Acid, . . . . | 6.00 to 7.00% |
| Total Phos. Acid, . . . .     | 8.00 to 9.00% |
| Potash (Actual), . . . .      | 7.00 to 8.00% |

Put up in Bags of 100 lbs. each.

Per ton \$30.00.

# Raw Materials or Fertilizing Chemicals FOR HOME MIXING

Farmers who understand compounding and mixing chemicals for different crops can no doubt save something in buying chemicals and mixing them themselves rainy days and odd jobs, but it is a dangerous and expensive undertaking for those that do not know how, and to such we advise buying mixed goods of some reliable brand. We have for several years made a specialty of this branch of our trade and have the reputation of furnishing chemicals lower than many of the fertilizer companies who handle large quantities, but recommend mixed goods. The following prices are subject to change without notice, but in large lots we can shade the prices for cash with the order.

### HIGH GRADE SULPHATE OF POTASH

90 to 95 per cent Sulphate of Potash, 48 to 50 per cent. actual Potash.

In original bags, 244 lbs. each.

Per 100 lbs. \$2.85; per ton, \$54.00

### DOUBLE SULPHATE OF POTASH AND MAGNESIA

40 to 50 per cent. Sulphate of Potash, 25 to 28 per cent actual Potash.

In original bags 224 lbs. each.

Per 100 lbs. \$1.75, per ton \$34.00

### MURIATE OF POTASH

80 to 85 per cent. Muriate of Potash, 50 to 55 per cent. actual Potash.

In original bags, 224 lbs. each.

Per 100 lbs. \$2.50; per ton, \$48.00

### KAINIT

23 to 25 per cent. Sulphate and Muriate of Potash, 12 to 13 per cent actual Potash, in 200 lb. bags.

Per 100 lbs. 90c.; per ton, \$16.00

### NITRATE OF SODA

95 per cent. purity; 19 per cent Ammonia. In original bags about 275 lbs. each.

Per 100 lbs. \$3.50; per ton, \$60.00

### SULPHATE OF AMMONIA

24-75 per cent. Ammonia. In 200 lb. bags.

Per 100 lbs. \$4.00; per ton, \$75.00

### DISSOLVED BONE BLACK

15 to 18 per cent. soluble and Available Phosphoric Acid.

In 200 lb. bags.

Per 100 lbs. \$1.35; per ton, \$25.00

### ODORLESS SLAC PHOSPHATE

13 to 22 per cent. Phosphoric Acid. Nearly all available. The cheapest form of Phosphoric Acid.

Per 100 lbs. \$1.00; per ton, \$18.00

Per bag 200 lbs. 90c.; per ton, \$8.00

### LAND PLASTER GREY

CANADA HARDWOOD ASHES. Car lots a specialty. Per 100 lbs. \$1.00; per ton \$14.00. Car load lots special price delivered.

AGRICULTURAL LIME per ton \$11.00 Special price by the Car.

### PLAIN SUPERPHOSPHATE

14 to 17 per cent. Soluble and Available Phosphoric Acid. In 200 lb. bags.

Per 100 lbs. \$1.00; per ton, \$17.00

### PLAIN SUPERPHOSPHATE

12 to 15 per cent. Phosphoric Acid. Per 100 lbs. 90c.; per ton, \$16. 0

### DRIED BLOOD

12 per cent. Ammonia. In 200 lb. bags. Per 100 lbs. \$2.50; per ton, \$48.00

### DRIED BLOOD

13 per cent. Ammonia. In 200 lb. bags. Per 100 lbs. \$3.00; per ton, \$58.00

### FINE GROUND TANKACE

6 per cent. Ammonia, 30 per cent. Bone Phosphate. In 200 lb. bags.

Per 100 lbs. \$1.65; per ton, \$32.00

### FINE GROUND TANKACE

9 per cent Ammonia, 20 per cent. Bone Phosphate. In 200 lb. bags.

Per 100 lbs. \$2.10; per ton, \$40.00

### FINE GROUND NOVA SCOTIA PLASTER

White and fine. In 200 lb. bags. Per 200 lbs. \$1.10; per ton, \$10.00

### FINE GROUND BONE

3 to 4 per cent. Ammonia, 22.80 to 25.23 per cent. Phosphoric Acid.

In 200 lb. bags. Per 100 lbs. \$1.15; per ton, \$30.00

### FINE GROUND BONE

2 to 3 per cent. Ammonia, 22 per cent. Phosphoric Acid. In 200 lb. bags.

Per 100 lbs. \$1.50; per ton, \$28.00

### DRY GROUND FISH

Per 100 lbs. \$2.25; per ton, \$44.00

# Insecticides and Remedies

For the Destruction of All  
Kinds of Insects that Infest  
Cattle, Poultry or Plants.

## BUG DEATH.

We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is NON-POISONOUS, which makes it perfectly safe to use on all plants or vines.

VERY BENEFICIAL RESULTS are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose.

### PUT UP IN PACKAGES AS FOLLOWS, WITH TRADE MARK ON EACH PACKAGE

|                      |        |                        |         |
|----------------------|--------|------------------------|---------|
| 1-Pound package..... | \$ .15 | 12½-Pound package..... | \$ 1.00 |
| 3-Pound package..... | .35    | 100-Pound package..... | 7.50    |
| 5-Pound package..... | .50    |                        |         |

SLUG SHOT, a fine powder used for potato bugs and other insects. Recommended for cabbage worms. 5 and 10 lb. packages, per lb. 5 cts.

PINE TAR. Pint Cans. Used in the stable for cuts and bruises, 15 cts.

### The Eureka Fly Killer.

Protects cattle and horses from fly pest and vermin. Sure preventive, perfectly harmless, easily applied, inexpensive. Eureka Fly Killer is a sure preventive that kills and drives away the worst of all pests, the Texas, Buffalo and horn flies. It was born of necessity; it meets an existing demand for an article of its kind, and that it meets it well and perfectly satisfactorily is attested by the numerous and grateful testimonials from farmers who have used it. Price pint 15c.; gal. 75c.

### ARSENATE OF LEAD

Is the best insecticide known for leaf eating insects because it kills quickly. Trees or plants sprayed with Arsenate of Lead and water are quickly freed from their insect pests. It cannot injure the most delicate foliage. One pound to ten gallons of water has been used on young, tender leaves without injurious effects. There is absolutely no danger of scorching or burning the leaves. It adheres to the foliage for weeks. Respraying after rains is the bane of the fruit-grower's life. Arsenate of Lead dries on the leaves into a varnish-like film, which is not affected by dew or rain. One thorough spraying will protect the foliage for an entire season.

#### PRICE LIST.

|                                 |                                      |
|---------------------------------|--------------------------------------|
| 1 lb. Tin Cans, at 20c. per lb. | 20 lb. Wooden Pails, at 17c. per lb. |
| 5 lb. Wooden Pails, at 18c. "   | 50 lb. " at 16c. "                   |
| 10 lb. " at 17c. "              | 100 lb. " Kegs, at 15c. "            |

Whale Oil Soap. For destroying insects on plants, etc.; in small boxes. Per lb. 15c.; 5 lbs. 50c.

Paris Green. A poisonous, insoluble powder for preventing the ravages of potato bugs, codling moth, caterpillars, slugs and bugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. May be used clear with the Leggett & Hoitkiss guns. Per lb. 35c.

Dry Bordeaux Powder. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with hollows. 1 lb. 15c., 5 lbs. 75c.

Dry Bordeaux Mixture and Paris Green. It kills potato bugs and all plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition. In one and three pound boxes, per lb. 25c.

Bordeaux Mixture (Liquid). This mixture is put up in one gallon patent cans. Retail for \$1.00. One gallon will make 50 gallons by the addition of 49 gallons of water. Gallon cans, \$1.00.

### Ross' Roup Cure.

A powder which is a positive cure for roup in its worst stages. Simply put a little in the drinking water and the hens take their own medicine without any trouble whatever. We guarantee a cure or money refunded.

#### TWO SIZES.

Small, 40c.; Large, 75c., Postpaid.

### Dr. Daniels' Veterinary Medicines.

All reliable and should be in every stable.

#### PRICE EACH.

|                                  |            |
|----------------------------------|------------|
| Cold Cure                        | \$ 1.00    |
| Cough, Cold and Fever Drops..... | .50 & 1.00 |
| Horse Renovator.....             | .50        |
| Wounder Worker Liniment.....     | .50        |
| Worm Killer.....                 | .50        |
| Absorbent Blister.....           | .50 & 1.00 |
| Oster-Coccus.....                | .25 & .50  |
| Liniment Powder.....             | .50        |
| Hoof Grower and Softener.....    | .50        |
| Gall-Cura.....                   | .25 & .50  |

### "SCALECIDE"?

It is a Petroleum oil that mixes at once with cold water in any proportion, and stays mixed. It is not necessary to use an extra tank or barrel and no hot water should be used. Can be prepared in an instant adding one gallon of "Scalecide" for every fifteen or twenty gallons of water. Price per gal. \$1.00; in barrels of 50 gal. 50 cts. per gal.

By applying this to trees infested with the San Jose Scale it prevents all creeping insects from spreading the pest.



COAL TAR. In quart tin boxes. For tarring corn to prevent crows from pulling it. Per can, 25c.

HELLEBORE. Sure death to the currant worm. Per lb. 25c., ½ lb. 15c.; ¼ lb. 10c.

TOBACCO AND WHALE OIL SOAP. Something new to prevent scale, green and black fly, mealy bug and red spider on greenhouse plants, and kills lice on dogs and poultry. Price, 25c.

TOBACCO STEMS. Indispensable for fumigating greenhouses and conservatories; for destroying aphids, should be dampened before using, and use a small handful on some dry shavings, and light it. Price per 100 lbs., \$2.00.

TOBACCO DUST. Kills green and black fly, etc., if dusted on when the plants are moist. Also good to mix in the soil to destroy ground insects. Small size, 10c., for 100 lbs. \$2.00.

### Conkey's Roup Cure.

Cures roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine.

#### PRICE, 50 CENTS.

CONKEY'S LICE POWDER. Kills Lice and other pests on Poultry, Horses and Cattle. Price, 50 cents.

CONKEY'S LIQUID LICE KILLER. 1 qt. 35cts.; 2 qts. 60 cts.

CONKEY'S CHOLERA CURE. This can be given in the drinking water as fowls will drink when they will not eat. Price, 50c.

CONKEY'S HEALING SALVE. This is an ointment possessing curative powers, is good for Chicken Pox, Scaly Legs and for healing all sorts of wounds. Price, 50c.

### INSTANT LOUSE KILLER

Dr. Hess' Instant Louse Killer.  
KILLS LICE.



Put up in round can with perforated top ready for use in one and three pound packages. The large size is the cheaper. You get three pounds for 60 cents and with the handle it is just as convenient as the smaller size. Large size 60c., small size 25c.

### PRATT'S LOUSE KILLER.

Put up in one pound size, (it kills the lice.) 25c.

LAMBERT'S DEATH TO LICE. As its name implies it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. 15 oz. size 25c., 48 oz. size 50c., 100 oz. size \$1.00.

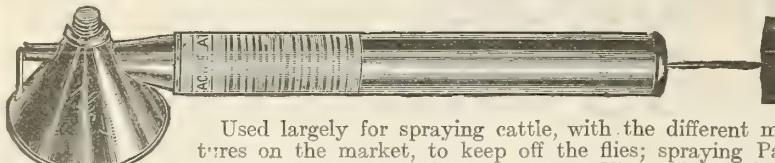
LEE'S LICE KILLER is a liquid preparation; comes in tin cans; highly recommended. Quart, 35c., 2-quarts, 60c., 4-quarts, \$1.00.

DR. HESS' HEALING POWDER. A great antiseptic powder. Cures galls and open wounds. 4oz. box, 25c.

### TREE TANGLEFOOT

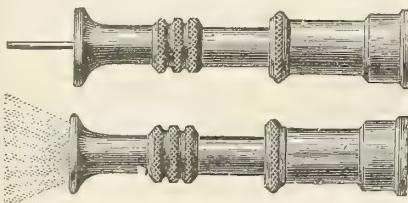
A perfect safeguard for trees against Gypsy, Brown-Tail and Tussock Moths, Canker Worms, Ants and All Creeping things. It will remain sticky about three months fully exposed to the weather. Price per lb. can, 25 cts.

## THE ACME ATOMIZER.



Used largely for spraying cattle, with the different mixtures on the market, to keep off the flies; spraying Paris Green and other Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor saver on the farm and in every garden, barn, greenhouse, orchard and henry. It will apply the finest possible spray on any object desired and exterminate any kind of insect life. Weighs only one pound. Can holds one and one-half pints. Well and simply made of tin or brass, combined into the strongest possible shape, it cannot come apart, and easily cleans itself when turned upside down. Indispensable on every farm. Price, Tin, 50c.; Tin with Brass Cup, 75c.

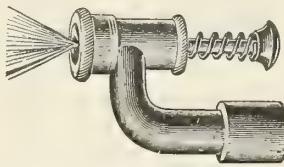
## THE "BOSTON" SPRAY NOZZLE



Will throw a coarse or a fine spray, a large or a small solid stream. The spray can be closely contracted or made to cover a large area. These results are obtained by revolving it part way round.

Price, 35 cents.

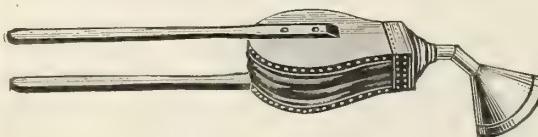
## Improved Vermorel Nozzle WITH DEGORGER.



Arranged with stuffing box, so that the liquid will not wet the operator while being used; fitted for 1-2 inch male end or 1-4 inch pipe. Each nozzle is furnished with two caps, with different sized openings, for coarse or fine spray.

Price, 85 cents.

## Acme Powder Gun.

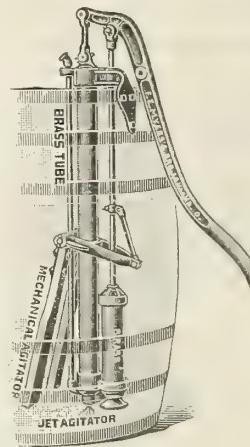


Used for same purpose as the Acme, only has a larger capacity. In these respects it is better than the Acme; in other parts just the same. Made in tin only. Next to the Tennent this is the best hand atomizer on the market.

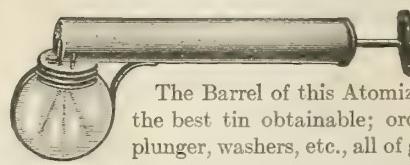
## No. 305 BRASS SPRAY PUMP.

The construction of this pump is the very best possible and we believe it is unequalled for the money by any other pump on the market. It has a bronze ball valve with brass seat, the plunger is brass fitted with hemp packing and it will handle hot, cold or any caustic mixture without any trouble, the cylinder and discharge pipes are both brass, the air chamber is thirty inches long, enabling the pump to throw a uniform and constant stream, the entire pump sets inside the barrel and by this arrangement the working parts are entirely submerged and the barrel will hold its position much better than most of the heavy pumps that are fastened to the top of the barrel head which invariably makes them top heavy and liable to tip over when driving on uneven ground. It can be operated by one man easily, although for best results one man should do the pumping and another handle the hose. We furnish this pump complete including barrel, extension pipe, nozzle, mechanical agitator and hose already for work. This is just the pump for spraying San Jose scale and other pests. It will pay for itself in a very short time and no orchardist should be without it. We have placed the price so low that it is within the reach of all.

Price complete, \$10.00.



## The Tennent Glass Pot Atomizer with Mixer.



The Barrel of this Atomizer is made of the best tin obtainable; ordinary length; plunger, washers, etc., all of good material.

The receptacle is a new special design of extra heavy glass, well protected with a spring steel lantern wire guard. Holds about a quart of liquid; easily filled and washed out.

Price, 75 cents.

## Daisy Tin Force Pump



This is a good low priced force pump; used for spraying vines and shrubs, also used for white-washing and other similar uses. Made of tin and has two nozzles. Net price, \$1.00.

## Bordeaux Spray and Solid Stream Nozzle.

Use this Nozzle for Whitewashing.

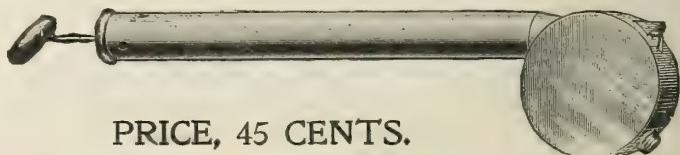


Will throw a fine fan-shaped spray and will readily free itself, should it become clogged, by turning the cock handle. It will throw a solid stream or may be shut off altogether, as desired. It is especially recommended for use in connection with the Bordeaux mixture.

Price, 85 cents.

A simple, practical implement for the extermination of potato bugs and all kinds of insects, flies, etc., the pests of every house and garden. It will handle all insecticides in their dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms, and all like pests. Is well made, with a hardwood head block hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under the leaves of plants and shrubs) and is well finished throughout. Every farmer should have one.

Net price—Single, \$1.00; Double, \$1.50.



PRICE, 45 CENTS.

## Improved Little Giant Duster.



Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Fungiroid (the dry Bordeaux Mixture), Spanish Pink, Pyrethrum Powder, etc. Weighs only five pounds complete. Full length with tubes, 4 feet 8 inches. Price, \$5.50.

## Champion Paris Green or Dry Powder Gun



For distributing dry insecticides and fungicides such as Paris Green, London Purple, Hellebore, Sulphur, Lime, "Fungiroid," Tobacco Dust, etc. Destroys potato bugs and all other insects, and prevents blight. The standard machine for applying insecticides dry. Sure, Rapid, Safe, Strong and Cheap.

Retail Price, \$7.00.

## The Brownie Duster.

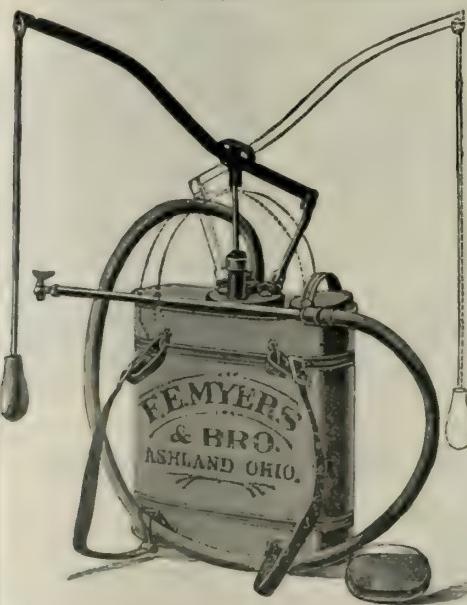


Particularly Useful for In-Door as well as Out-Door Work, Wherever a Dry Powder is Required.

Price, \$3.50.

## Knapsack Spray Pump, No. 331.

For Orchard, Vineyard or General Use.



The tank of this pump holds five gallons, is fitted with trainer which can be removed. The pump is our regular upper Tank Spray Pump, with large chamber, ball valves, solid plunger and agitator. The pump can be removed easily. Operator can use it the same as a tank at bucket pump, viz.: set the knapsack on the ground and work pump with handle. Can be carried by hooking nap in strap on the opposite side provided for that purpose, making a neat handle as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will.

Net Price, \$10.00.

## The O. K. Spray Pump.



**Fig. 1119. Price without barrel, \$13.00.**  
For hot and cold mixtures, with extension pipe, single, double or triple nozzles.  
This style of pump is designed for ordinary orchard use, and as will be seen by the cut, can be readily attached to any size of barrel in a minute's time; for that reason we sell it either with or without the barrel. The cylinder is what is known as a ram plunger, made of solid brass tube, with closed end, which passes through a circular hemp packing, which adapts it for pumping either hot or cold mixtures. It has a brass valve seat. The pump is fitted with leads for hose, but no hose furnished at price printed. We will furnish any length of hose desired at 10 cents per foot.

## Hotchkiss Dry Powder Gun.



For applying clear Paris Green and other dry insecticides. It does away with the slow, laborious process of applying mixtures in water or plaster. The process is quick and effective.

Price, \$5.00.

## The Rochester Self-Operating Sprayer.



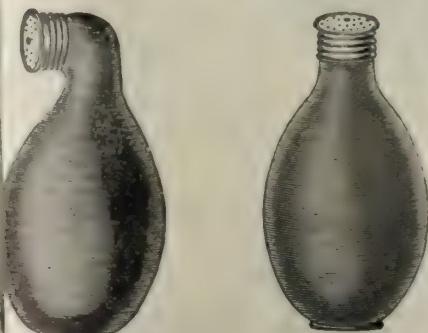
The air enters the sprayer through the valve at bottom of pump, thoroughly agitating and mixing the contents of Sprayer. The compressed air, being powerful, forces the liquid out through the outlet pipe, making either a fine spray or a solid continuous stream as desired. This size machine holds from 3 to 4 gallons. Made of Galvanized iron or brass.

## PRICE.

Galvanized Iron, style G, \$5.00.  
Brass, \$6.50.

Discount for cash, 50 cents.

## RUBBER ATOMIZERS.



Useful for sprinkling house plants and also for raying hellebore and bug death.  
Small Size, 50 cents, Large Size, \$1.00.  
Either style of neck.

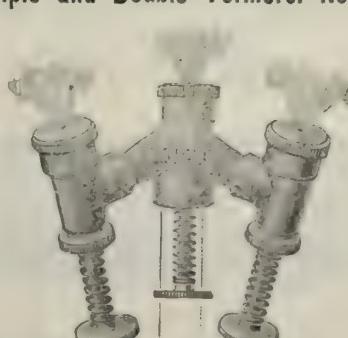


## NO. 18 LIGHTNING TANK WHITEWASHER

for whitewashing Hen Houses, Stables etc. Tank holds 8 gallons, made of heavy galvanized iron with all brass pump which can be easily taken out to clean. The pump is fitted with hose and pipe as shown in cut, and has a nozzle that is guaranteed to spray whitewash without clogging. Price \$6.00.

Discount for cash 25 cts.

## Triple and Double Vermorel Nozzle



Triple Vermorel Nozz'e. Price, \$1.75

Double Vermorel Nozzle. Price, 1.50



## FURBER Wood Pumps

This is the best wood out-door pump that we can buy. It has the patent closed handle bracket, so that stones or any rubbish cannot get into the box; patent let-off to prevent freezing; iron top; lined or unlined.

6 x 6 for house use.  
7 x 7 for stock.

### 6 x 6 inch Stock, 3 1-2 Bore. FOR GENERAL USE.

|                  | Porcelain<br>Lined | Unlined |
|------------------|--------------------|---------|
| 7 feet long..... | \$ 7.50            | \$ 6.00 |
| 8 " "            | 8.00               | 6.50    |
| 10 " "           | 9.00               | 7.50    |
| 12 " "           | 10.00              | 8.50    |
| 14 " "           | 11.25              | 9.75    |
| 16 " "           | 12.50              | 11.00   |

Use 4 x 4 pipe for above pumps,  
per foot, .20

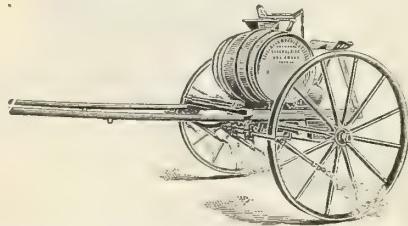
Couplings and bands for the above,  
each, .50

### 7 x 7 inch Stock, 4 inch Bore.

|                                                 | Porcelain<br>Lined | Unlined |
|-------------------------------------------------|--------------------|---------|
| 7 feet long.....                                | \$ 9.50            | \$7.75  |
| 8 " "                                           | 10.00              | 8.50    |
| Use 4½ x 4½ inch pipe, per foot,                | .25                |         |
| Couplings and bands for the above,<br>each, .60 |                    |         |

25 per cent. discount from list.

## THE ASPINWALL 4-ROW SPRAYER.



This sprayer is designed for the large potato growers, where the hand machines are too expensive to use, and applying insecticides dry is also expensive; but the Aspinwall 4-Row Sprayer does the work in a cheap and satisfactory manner, and to anyone planting three or more acres of potatoes we recommend this machine. Don't wait until the last day before you order, but send early and have the machine on hand ready when it is needed.

List price, \$55.00. Discount for cash, \$2.00.

## THE "COOPER" BRASS HOSE MENDER



Made of thin brass tubing; will not rust or wear out; scarcely decreases the flow of water. Easily applied by any one; simply cut out your bad piece of hose and force the ends of the good hose over the mender until they meet in the centre. No other fastening is required; the barbs will hold it firm, and no matter what strain is put on the hose it will be as good as new at the point mended, and will not leak.

Price, 10 cents each postpaid; per dozen, 75 cents.

## The Bucket Pump.

DRINK PURE WATER.

If You Use This Pump You Will Enjoy Good Health.  
It Makes Bad Water Good and Good Water Better.

We will guarantee to purify any well,  
no matter how bad the water  
is, in 5 days, or refund  
the money.

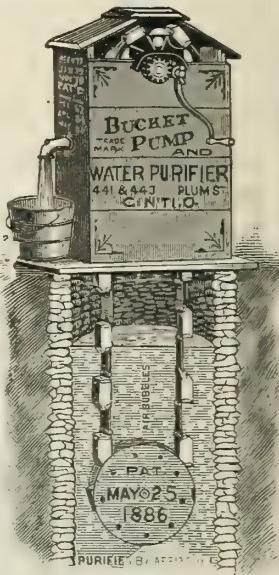
**How It Purifies Water.**—Every bucket descends full of air and ascends full of water. For every gallon of water drawn, a gallon of air (the vital element) is circulated through the water, from the bottom to the top. This agitates, ventilates and purifies the water and forces a large surplus of oxygen from the air into the water, which is sufficient to consume all impurities or organic matter in the foulest well or cistern.

It is a fact attested by thousands using it that this purifier is the only one invented that will destroy wiggles, water bugs, water lice and germs of disease, and make foul and stagnant well or cistern water pure and sweet, removing all color, bad taste and smell.

Price, \$10.00 for the first 10 feet of well. Each additional foot of well, 50 cents.

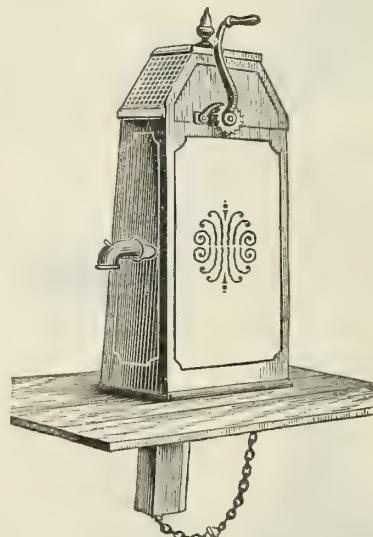
Discount for wells less than 20 feet, 10 per cent.; 20 feet and over, 20 per cent. discount. Cash with order, 5 per cent. extra.

Wells over 40 feet deep require extra heavy fixtures, for which there is an extra charge of \$1.00.



## Rubber Bucket Chain Pumps.

They are one of the best  
cheap pumps.



This is the old reliable Rubber Bucket Chain Pump, and until the BUCKET PUMP (shown above) came into the market, it was used largely in wells where the water was impure, as the constant motion of the chain and buckets kept the water in motion and prevented sediment.

### PRICES.

|                               |       |
|-------------------------------|-------|
| Curbs, each .....             | \$2.5 |
| Chain, per lb. (3 ft. to lb.) | .1    |
| Wood Tubing, per foot .....   | .1    |
| Rubber Buckets, each....      | .1    |

## Dickey's Bug Death Shaker.

Dickey's Bug Death Shaker, shown in cut, is designed for applying any kind of dry powder, and is the best as well as the cheapest shaker on the market. It is provided with a scoop for filling. Order one with your Bug Death.

Price, 25 cents.



THIS IS IT.



**WYANDOTTE CHICK FOOD.** Our Wyandotte Chick Food is scientifically prepared to meet the chick requirement and it is not thrown together as many of the cheap foods on the market are but it is made of the choicest materials that money will buy. It is not loaded down with grit and oyster shells so as to sell at a low price. Quality is first in our minds. It is the safest feed to give young chickens. Feeding it regularly will prevent all the ailments to which they are liable and having a good start for the first few months, they will mature much earlier and in better condition for laying or the market than they would in the ordinary way. We do not use any waste material. We are not in the milling business and therefore have no refuse to dispose of. We buy only the choicest cereals and imported bird millets that we can get, to these we add the very best oatmeal and fine cracked charcoal, all of which combined make a food just fitted to produce strong and vigorous chickens.

**DIRECTIONS:** Little chickens like old hens need exercise and there is no danger of overworking them. Throw some of our chick food in the litter on the floor and let them scratch for it but do not throw it on the ground where it will get damp, for in that way it will become sour. Feed a little at a time and keep them hungry. You will find that when they are fed in this manner they will grow much faster than where the feed is before them so they can get it without any exercise. After they are four to six weeks old feed can be kept before them all the time. Price 25 lb. bags 75c., 50 lb. bags \$1.35, 100 lb. bags \$2.50 and 500 lbs. \$11.25.

**POULTRY MEAL.** This is a substitute for meat scraps. It is the pure meat scrap with all of the grease extracted and then dried and ground fine and should be mixed with Alfalfa and other fine feeds used in mixing mash which can be fed either wet or dry. One quart to a pail of mash is sufficient.

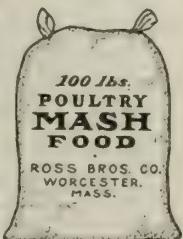
This is an egg producer and is relished by poultry.  
Price per hundred pounds \$2.00.

## Every Day Scratch Food



Our **EVERY DAY SCRATCH FOOD**. As its name signifies is a scratch food consisting mostly of whole grains such as wheat, oats, barley, corn, buckwheat, sunflower, Kafir corn, millet, charcoal and scraps. It is the result of large number of experiments and is mixed in the right proportions to produce bone, muscle and eggs, especially the latter. It contains no oyster shells or grit. It is free from waste material and fowls will always find something tempting for which to scratch. A small amount of this thrown into the litter after they have come to roost at night will start them to work early in the morning. The profitable poultry keeper must feed for results. Simply because feed looks good to the naked eye is no sign it will produce eggs. Our E. D. S. has been tested and has proven itself as being all that we claim for it,—a complete egg-producing feed.

Price per 100 lbs. \$2.00, 500 lbs. \$9.25. No charge for bags.



## Seeds and Cereals for Chick Food



While we believe that much better results can be obtained by using our regular prepared foods, we are in position to furnish anything in the line of chick or bird feeds at bottom prices. We import in large quantities and we buy in this country in car-loads lots and handle nothing but the best.

|                          | Per 10 lbs. | Per 100 lbs. |
|--------------------------|-------------|--------------|
| Imported Bird Millets.   | \$.30       | \$2.50       |
| Mixed American Millets.  | .25         | 2.00         |
| Fine Cracked Kafir Corn. | .25         | 1.85         |
| Steel Cut Oatmeal.       | .60         | 5.00         |
| Canary Seed.             | .80         | 7.00         |
| Hemp Seed.               | .75         | 6.50         |
| Rape Seed.               | .75         | 6.00         |
| Russian Sunflower Seed.  | .60         | 5.50         |
| Fine Cracked Peas.       | .50         | 3.50         |
| Fine Cracked Corn.       | .25         | 1.75         |
| Paddy or Unhulled Rice.  | .80         | 8.00         |

100 lb. lots, bags 20c. extra.

Everything  
in the  
Line of  
Poultry  
Supplies



## Every Morning Mash.

**EVERY MORNING MASH.** Because we call this our morning mash does not signify that it is to be fed in the morning only, for in extreme cold weather we recommend feeding hot mash just before night. At other times it can be fed either wet or dry at any time during the day. This is a highly nutritious balanced ration for laying hens. It is sold under a guarantee to contain not less than 12% protein and 3.50% fat. It is different from most mashes on the market in that it contains medicinal properties as well as those for producing eggs. It contains those grains that are high in egg making qualities and feeding this mash once a day will keep the flock in a healthy condition. Laying hens should never be over fed with warm mash, especially in the morning. It has a tendency to make them stupid and inactive. While this is equal to many of the high priced patent foods on the market, we sell it at a price within the reach of all. Price for 100 lbs. \$2.00; 500 lbs. \$9.50



# POULTRY FOODS and CONDITION POWDERS



| PRICES.                                                   |        |
|-----------------------------------------------------------|--------|
| Poultry Food, small size .....                            | \$ .25 |
| Poultry Food, large size .....                            | .60    |
| Pratts Horse, Cattle and Hog Food, 12 lb. bags, each..... | \$ .75 |
| Pratts Horse, Cattle and Hog Food, 25 lb. bags, each..... | 1.50   |

## Pratt's Poultry and Cattle Food

\* \*

We have sold Pratt's Foods for several years and always found it reliable and can recommend it with confidence to our customers. To get the best results it should be fed regularly. It keeps the poultry in good condition, and is indispensable in the stable. It keeps cows and horses in the pink of condition.

## Dr. Hess' Stock Food

Milk makes the MONEY, but Dr. Hess' Stock Food makes the MILK.

We Guarantee Dr. Hess' Stock Food to increase the bone, muscle and milk producing value of your hay, grain, etc., sufficient to cover its cost many times over, besides keeping animals free from disease.

### PRICE.

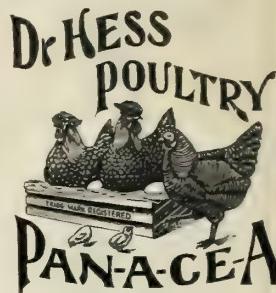
#### Dr. Hess' Stock Food.

|                          |        |
|--------------------------|--------|
| 2½ lb. package . . . . . | \$ .25 |
| 7 lb. package . . . . .  | .50    |
| 25 lb. pail . . . . .    | 1.60   |
| 12 lb. sack . . . . .    | .75    |
| 100 lb. sack . . . . .   | 5.00   |

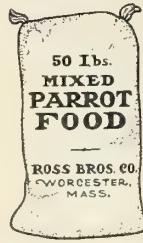
### PRICE.

#### Dr. Hess' Poultry Pan-a-ce-a

|                          |        |
|--------------------------|--------|
| 1½ lb. package . . . . . | \$ .25 |
| 5 lb. package . . . . .  | .60    |
| 12 lb. package . . . . . | 1.25   |
| 25 lb. pail . . . . .    | 2.50   |

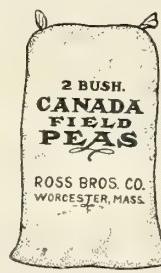


### PARROT FOOD.



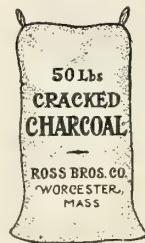
A mixture of whole seeds, especially designed for parrots. Lb. 10c.; 3 lbs. 25c.

### CANADA PEAS.



For pigeons and parrots. Lb. 5c.; 100 lbs. \$3.50.

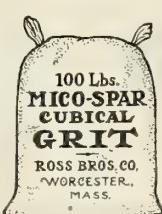
### CRACKED CHARCOAL.



Fine for small chicks. 8 lb. box, 25c.; 100 lbs. \$2.00.

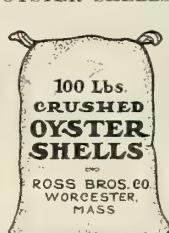
For poultry. Same price.

### MICO-SPAR CUBICAL GRIT.



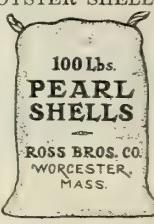
Cracked in three sizes. No. 2 for Poultry. No. 3, for Pigeons. No. 4, for Small Chicks. Price per 100 lbs., 75 cents.

### GROUND OYSTER SHELLS.



For Poultry or Chicks. Per 100 lbs. 75 cts.

### PEARL OYSTER SHELLS.



This is a substitute for Oyster Shells. They contain 20% more lime than common shells and a much cleaner. Price for 100 lbs. 85 cts.

KOW KURE. Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 50c. and \$1.00.

COW TONE. For same purpose as Kow Kure. Considered by some as preferable to it. 50c. and \$1.00.

COW RELIEF. Cures caked bags and sore teats. Should be in every stable. 50c. and \$1.00.

CALF CORDIAL. Sure cure for scours and other similar complaints. 50c.

PIGEON FOOD. A mixture of Kaffir Corn, Vetch, Peas, etc. Lb. 10c., 20 lbs. \$1.00.

HEMP SEED. For birds or chickens. Lb. 10c.; 10 lbs. 75c.

CANARY SEED. Lb. 10c.; 10 lbs. 75c.

PADDY, OR UNHULLLED RICE. Lb. 10c.; 3 lbs. 25c.

SEA SHELLS. This is similar to common oyster shells, only they are very small shell and are fed whole, and as they contain a large amount of meat, are a grand egg producer. Per barrel of about 150 lbs., \$1.75.

SHERIDAN'S CONDITION POWDERS. These goods are known every town and need no recommendation from us. Large size, regular \$1.00, our price 80 cents.; small, 20 cents.

DOLE'S HORSE, CATTLE AND POULTRY FOOD. This is one of the best foods for milch cows to increase the flow and keep the animal in condition. Once tried, always used. Large box, 75 cents.

GLASS NEST EGGS. Each, 5 cents. Dozen, 30 cents.

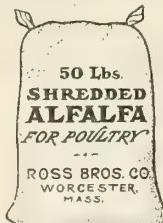
MILFORD GRANITE GRIT. Two sizes, for Poultry and Chicks. P 100 lbs., 75 cents.

GREEN CUT BONE in season. We can furnish this in 50 and 100 lb. lots at \$3.00 per 100 lbs.

FINE CRACKED BONE. For small chicks; made from best selected white bones finely cracked and screened; 8 lb. 25 cts.; 50 lbs. \$1.40; 100 lbs. \$2.50.

EDIBLE BONE MEAL. For Cattle. 10 lbs. 30c.; 100 lbs. \$2.50.

### SHREDDED ALFALFA.



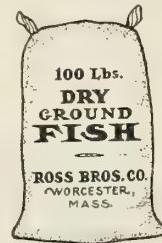
This is the latest and best food for all kinds of poultry. It is alfalfa pure as can be had, finely ground, and should be mixed with other kinds of feed, and being light, it makes a very nutritious food and is also an egg producer. Per 100 lbs., \$2.00.

### MEAT MEAL.



Is finely ground meat and blood, and is preferred by many to Beef Scraps, as it may be mixed with wet feed and prevents lower than scrap. Per 100 lbs., \$2.00. lbs., \$2.25.

### DRY GROUND FISH.



For poultry. This is a great egg producer and takes the place of beef scraps, which are so hard to get at the present time. The price is also much lower than scrap. Per 100 lbs., \$1.75.

### KAFFIR CORN.



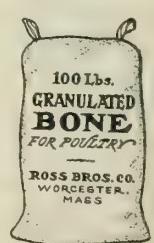
This is probably one of the best, as well as the cheapest, food for hens, chickens or pigeons. It is about the size of a very small pea, and is fast taking the place of other grains for poultry food. Try it. Per 100 lbs., \$1.75.

### OLD FASHIONED BEEF SCRAPS.



These Scraps are ground fresh for us, and do not contain any oyster shell or tankage, but are good fresh bone and meat. Per 100 lbs., \$2.50. 100 lbs., \$2.25.

### GRANULATED BONE.



Fresh cracked bone without any meat, keep for any length of time. Should always be kept in a box where hens can get to it. 100 lbs., \$2.25.

# Cornell Incubators & Peep-o'-Day Brooders

The Best Line of Machines for Hatching and Raising Chickens Ever Invented.



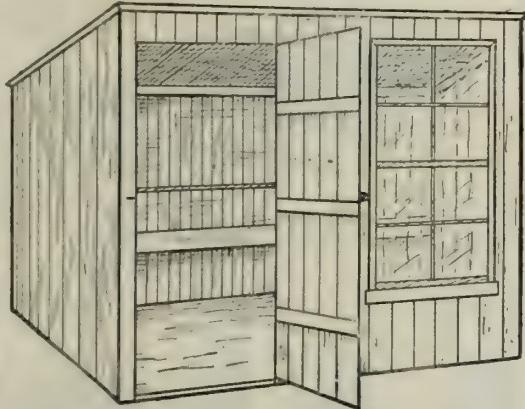
It is impossible for us in the small space at our disposal to give anything like a complete description of this line of goods, but will mail free a complete catalogue describing them fully.

THE TABLE TOP is one of the most important improvements on any incubator made, and is alone worth the difference in price that you have to pay over and above prices of other makes. The regulator as will be seen by the cut, is inside, and out of danger, and leaves the top free to use in turning and testing eggs.

THE DOOR on the Cornell Incubator is entirely original, and is found on no other make. It is practically two doors in one without that inconvenience; it being opened as one door. Each section is insulated with felt, making it a positive fit and practically air tight. The lamp solves the moisture question beyond all doubt. See price list below.

No matter how good an incubator you have, it is important that you have a safe and reliable brooder of some make. The Peep-o'-Day is so well known that it needs no word of praise from us. When buying a brooder, be sure and get one large enough, or better still, have a greater number of small ones to give the chicks plenty of room.

## The Oxford Colony House.



These houses we have made for us by a reliable firm nearby and while we do not carry them in stock, we can make shipment in about ten days from date of order, as they are all made especially for us. We can furnish any other size wanted at proportionate prices and will be pleased to quote on any size wanted.

### Standard Sizes and Prices of Oxford Portable Colony Houses.

|                               | Floor.  | 3 Nests. | 6 Nests. |
|-------------------------------|---------|----------|----------|
| x 7 9-16 inch stock . . . . . | \$20.00 | \$3.00   | \$1.00   |
| x 7 13-16 " . . . . .         | 25.00   | 3.00     | .50      |
| x 8 9-16 " . . . . .          | 22.00   | 4.00     | .50      |
| x 8 13-16 " . . . . .         | 28.00   | 4.00     | .50      |
| x 12 9-16 " . . . . .         | 33.00   | 5.00     | .50      |
| x 12 13-16 " . . . . .        | 38.00   | 7.00     | .50      |

50 cents discount cash with order.

## Peep-o'-Day Brooder and Colony House No. 8

Poultrymen have been much in need of a large roomy Outdoor Brooder, to be readily converted into serviceable Colony house after the chicks have taken on sufficient size.

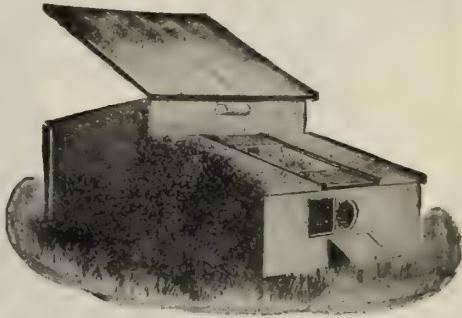
Home-made Brooder Houses, built of Dry Goods and Piano boxes, have been recommended from time to time, and generally found wanting after the first of a season. "Wanting" in this case means loss of chicks etc., financial failure.

This Brooder, is built throughout of selected tongued and grooved 1-inch pine is 6 feet long and 3 feet deep in the clear. The front wall is 3 feet high and the back wall 2 feet, giving the roof of 22 square feet over all, the right pitch to readily shed the water. It is the most roomy and airy Brooder constructed.



PRICE, \$20.00.

## Peep-o'-Day Brooder No. 2.



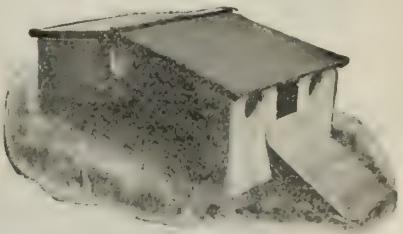
This is the most popular brooder on the market and is our largest seller. It can be used either in or out-of-doors and is sure to give satisfaction.

DIMENSIONS.—Five feet long, three feet wide and two feet high. Hover, two feet in diameter, with a special brooder thermometer, and the latest improved lamp, which will burn from 80 to 40 hours. This brooder is absolutely storm proof, made of white pine and handsomely painted. Weight, 120 lbs. PRICE, \$12.00.

## Peep-o'-Day Brooder No. 3.

This Brooder is similar to No. 2 but smaller. Many people prefer to keep fewer chicks in a brooder; while this will take care of 50 chicks with good success, thirty or forty are better. It has a smaller burner than No. 2 and therefore takes less oil. Dimensions, 4 feet long, 26 inches wide, weight 75 lbs. PRICE \$8.50.

## Peep-o'-Day Junior Brooder.



In this Brooder are embodied many of the superior qualities found in the regular Peep-O'-Day, and is unquestionably the best \$5.00 brooder on the market. PRICE, \$5.00.

## Complete Price List

Catalogue giving complete list of prices mailed on application.

### CORNELL INCUBATORS.

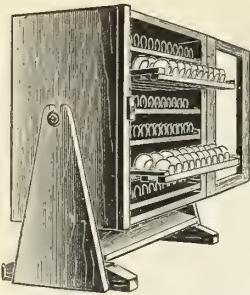
|        |                        |         |
|--------|------------------------|---------|
| No. 0. | 60-egg size . . . . .  | \$16.00 |
| No. 1. | 128-egg size . . . . . | 20.00   |
| No. 2. | 232-egg size . . . . . | 29.00   |
| No. 3. | 364-egg size . . . . . | 37.00   |

### PEEP-O'-DAY BROODERS.

|        |                                |         |
|--------|--------------------------------|---------|
| No. 1. | In or Out Door Brooder         | \$10.50 |
| No. 2. | In or Out Door Brooder         | 12.00   |
| No. 3. | In or Out Door Brooder         | 8.50    |
| No. 4. | Indoor Brooder . . .           | 8.50    |
| No. 5. | Indoor Brooder . . .           | 7.50    |
| No. 6. | Out Door . . . . .             | 14.50   |
| No. 7. | " " and Colony House . . . . . | 13.00   |
| No. 8. | " " and Colony House . . . . . | 20.00   |
|        | Peep-o'-Day Junior Brooder     | 5.00    |

### PEEP-O'DAY COOPS AND COLONY HOUSES.

|        |                                                     |        |
|--------|-----------------------------------------------------|--------|
| No. 1. | Sitting Coop . . . . .                              | \$2.25 |
| No. 2. | Coop or Colony House, without floor . . . . .       | 5.00   |
| No. 2. | Coop or Colony House, with floor . . . . .          | 6.00   |
| No. 3. | Coop or Colony House, without floor . . . . .       | 6.50   |
| No. 3. | Coop or Colony House, with floor . . . . .          | 7.50   |
| No. 4. | Coop or Colony House, with run, without floor . . . | 6.00   |
| No. 4. | Coop or Colony House, with run, and floor . . .     | 7.00   |
| No. 5. | Colony or Poultry House with run . . . . .          | 16.50  |



## Houghton's Wire Egg Turner.

This turner is made for the use of all Poultry Breeders, large and small, to hold and turn eggs which are to be used for hatching, as it is a well-known fact that all eggs used for that purpose should be turned every day or two so that the yolk will not settle to one

side and destroy the fertility of the egg.

They are just the thing to hold and turn eggs which are kept in storage for higher prices. If turned every day or two they will keep fresh for weeks.

**Price List of Wire Egg Turners :**

|                |        |
|----------------|--------|
| 1008 Egg Size, | \$8.50 |
| 504 Egg Size,  | 5.50   |
| 336 Egg Size,  | 4.25   |

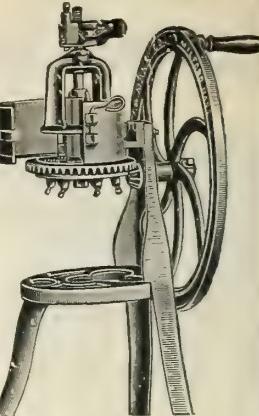
## Mann's New Open Cylinder Bone Cutters.

PRACTICAL POULTRYMEN are for the most part concerned with facts. They want eggs when eggs are worth most. The fowl demands raw animal food. When hens get such food in abundance they lay in abundance. When they are deprived of such food they do not lay so abundantly. Properly cut Green Bone, with meat and gristle attached, supplies this food in the most available manner.

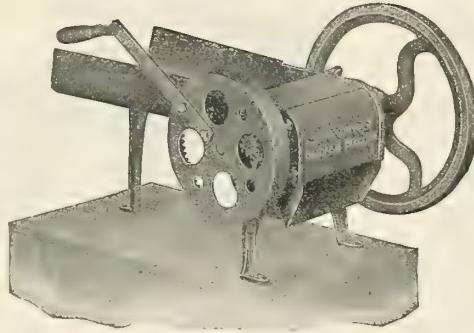
### NET CASH PRICE LIST.

No Discount from these Prices.

|                                                             |                        |
|-------------------------------------------------------------|------------------------|
| No. 5C (with Crank Handle) . . . . .                        | \$ 6.00                |
| No. 5B (with Balance Wheel) . . . . .                       | 8.00                   |
| No. 5BM (with Balance Wheel and Iron Stand)                 | 10.40                  |
| No. 7 (with Balance Wheel) . . . . .                        | 12.00                  |
| No. 9 (Standard Bone Cutter, Iron Stand) . . . . .          | 18.40                  |
| No. 11 (Combination Power Cutter) . . . . .                 | 26.00                  |
| Clover Cutter (with Balance Wheel) . . . . .                | 8.00                   |
| Clover Cutter (with Balance Wheel and Iron Stand) . . . . . | 10.00                  |
| Mortar (Perforated, Cast Iron) . . . . .                    | 3.00                   |
| Swinging Feed Tray (18 in., 27 in., 36 in. long) . . . . .  | \$1.00, \$1.25, \$1.50 |



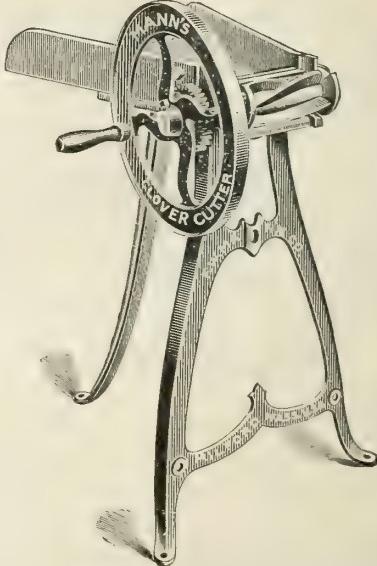
## The Silver Clover Cutter FOR POULTRY.



This machine will cut clover, alfalfa, straw, vegetable tops and similar material, green or dry, into  $\frac{1}{8}$  inch lengths, which makes it especially adapted to cutting feed for poultry.

It is all iron and steel, consequently very durable. Length over all, 24 inches. Size of feed box, 18 inches long by 10 inches wide at rear end, by 8 inches at throat. Feed rollers are full width of cutting surface. Price \$6.00. Discount for cash, 50 cts.

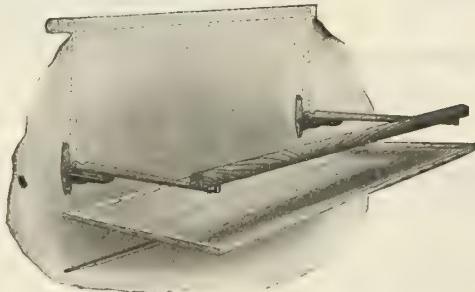
## MANN'S CLOVER CUTTER.



This machine is designed for poultry keepers who wish to cut their own clover and it will pay for itself in a very short time. The knife of this cutter is so constructed that it is easy to sharpen when necessary and each revolution of the balance wheel produces twelve cuts. This is a strong built machine.

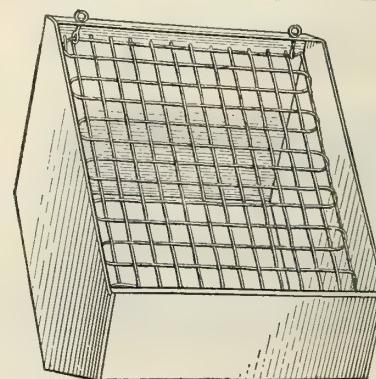
|                                                             |         |
|-------------------------------------------------------------|---------|
| Clover Cutter (with Balance Wheel) . . . . .                | \$ 8.00 |
| Clover Cutter (with Balance Wheel and Iron Stand) . . . . . | 10.00   |

## Davis Anti-Louse Roost Bracket



This bracket prevents the lice from getting on to the roosts from the building and allows the roost to be raised out of the way for cleaning the platform. Prices, No. 1, per pair, 75 cts.; 3 pairs, \$2.00; 6 pairs, \$3.25; 12 pairs, \$6.25.

No. 2 Bracket holds two or three roosts. Price, per pair, \$1.25  
No roosts are furnished.



## BOSTON DRY FOOD HOPPER

THIS FEEDER should be hung about four inches from the floor. It is made of galvanized iron and it is almost indestructible. The wire grid follows the dry mash and prevents it from wasting. You can always tell whether the feeder is full or not. This is the best dry mash feeder made.

Price \$1.25 each or \$12.00 per dozen.

PAT. APLD. FOR

# POULTRY HOUSE SUPPLIES

Our Assortment of Galvanized Ware is very complete and our prices are as low as first quality goods can be sold at.

No. 8. LEADER  
Drinking Fountain.



1 Gallon . . . . . 35 cents  
1 Gallon . . . . . 50 cents

No. 7. AUNTIE  
Drinking Fountain.



1 Gallon . . . . . 35 cents  
1 Gallon . . . . . 50 cents

No. 1. OUR FAVORITE  
Drinking Fountain.



1 Gallon only . . . . . 50 cents

YOUNG'S  
ANTI - FREEZE.



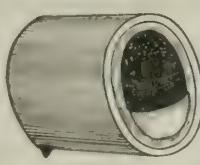
1 Gallon . . . . . 75 cents  
Bottom lets down.

No. 11. FEEDER.



1 Quart . . . . . 35 cents  
3 Quarts . . . . . 50 cents

W. R. FOUNTAIN.



2 Quarts . . . . . 25 cents  
4 Quarts . . . . . 35 cents  
8 Quarts . . . . . 50 cents

E. H. M. FOUNTAIN.



1 Quart . . . . . 25 cents  
2 Quarts . . . . . 30 cents  
4 Quarts . . . . . 35 cents  
8 Quarts . . . . . 50 cents

SANITARY FOUNTAIN.



1 Gallon . . . . . 50 cents  
2 Gallons . . . . . 85 cents

Incubator and Brooder Thermometers, every one warranted accurate, and will be mailed postpaid at price named.

Cornell Incubator  
Price 75 cents.



Ertel  
Incubator  
Price 50c.



Regular  
Incubator  
Price 50c.



Brooder  
Thermometer  
Price 30c.



Prairie  
State  
Incubator  
Price 50c.



Brooder  
Thermometer  
Price 30c.  
Peep-o'Day  
Brooder  
Thermometer  
Price 40c.



Cypher  
Incubator  
Price 75c.

## Davis' Food and Water Fountain.

This can be used for either water, feed,  
grit, shells or bone.

It is the only fountain adapted to use any  
glass bottle.

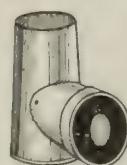
A quart fruit jar or milk bottle is best.

It is perfectly safe and always clean.

Price, 25 cents

With glass bottle, 30 cents.

## The X-Ray Egg Tester.

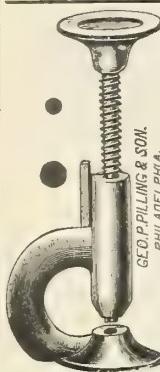


This is the most practical egg tester made, and  
is equal to any high-priced tester made. Testing  
eggs for hatching is necessary, and eggs should be  
tested before taken to the market if they have been  
kept any length of time.

Price, 30 cents.

# VETERINARY INSTRUMENTS

EVERYTHING SHOWN ON THIS PAGE WILL BE SENT POSTPAID ON RECEIPT OF PRINTED PRICE



PHILADELPHIA  
POULTRY  
MARKER

Do you keep a record of chickens? The different breeds, hatches, etc., should be kept. There is no better or quicker way than by this marker, as over 200 different marks can be made by punching web between toes. They are well made with steel spring and cutter, nicely nickel plated. Made in two sizes. Sent postpaid on receipt of price, 25 cents each.

## STRICTURE INSTRUMENTS

For cutting strictures in cows' teats.



Pilling's Three-Ring Stricture Cutter.  
Price \$3.00.



Pilling's Plain Teat Slitter.

Illustration shows instrument both open for cutting and closed for inserting. Plated, \$1.50

## French Poultry Killing Knife.



Every poultry raiser should have one of our Killing Knives. They are made of finely tempered instrument steel, with nickelized handle; will last a life time. It will be one of the best investments you ever made. Sent postpaid on receipt of 50 cents.



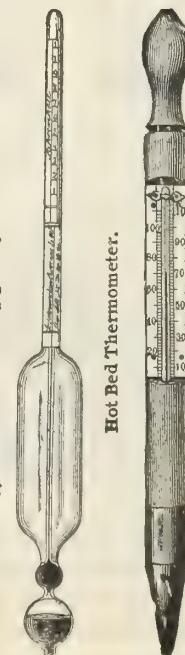
Floating Dairy with bulb always upright.



Common Dairy graduated for Dairy use.



Lactometer for testing gravity of milk.



Hot Bed Thermometer.

Price 50c. Price 25c.

Price 65c. Price \$1.50

## PILLING'S CAPONIZING TOOLS.

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instruction so full and explicit that anyone will be able to perform the operation. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. The object of Caponizing is to largely increase the weight of the fowl, causing them, in many cases, to grow as large as turkeys and weighing from 10 to 15 pounds, to make the meat a finer and sweeter flavor and very juicy and tender. Again Capons are worth \$1.00 to \$1.50 more than cocks not Caponized. They are very much quieter in disposition.

Complete with instructions, \$2.50. In Velvet-lined case as per Engraving, \$2.75. We send book, "Complete Guide for Caponizing," with every set.



MILKING TUBES for Sore and Obstructed Teats and Hard Milking Cows.

DIRECTIONS.—The long rounded end of the tube is inserted in the orifice of teat, when the milk will flow without the use of the hands. It is best to wet the Tube with a drop of milk or water before using. Remove tube when milk ceases to flow. If in some cases, the obstruction is further up the teat than can't be passed by the regular length, you should have a longer tube, and as it can be made any length, answer for all purposes. German Silver plated, 2½ in., 25c, 3 in., 30c; 3½ in., 35c.



Aluminum Tag Bonds. Made of one piece; two sizes will fit any fowl; impossible to lose. In ordering give breed. Price, postpaid, doz. 15c.

## MARK YOUR FOWLS

Leg Bands are the only means of marking birds to distinguish them either for exhibition or killing. Price:

Doz. 15c, 100, 90c.  
Postpaid.

## Pilling's Improved Instrument for Opening Obstructed Teats.

The above instrument for opening obstructed (cows) teats. There has been a demand for some simple remedy for this purpose, which we think is now filled by this little instrument, being highly endorsed by some of the best Veterinary Surgeons of the Country for its very successful, and at the same time harmless and simple use, so that any person of average intelligence can use it with perfect safety. We send it securely packed in neat box, with full instructions, postpaid, on receipt of price, 75 cents.

## LEAD PROBE OR SOUND.

For the treatment of Stricture and obstructed teats of cows, also for enlarging the opening in cows' teats. Made in three sizes: Small, Medium and Large, postpaid 25 cents each. Directions for using Lead Probe mailed with each one.



Glass Crear Testing Jar  
Price, 50 cents.

## Out of Sight Mouse and Rat Trap



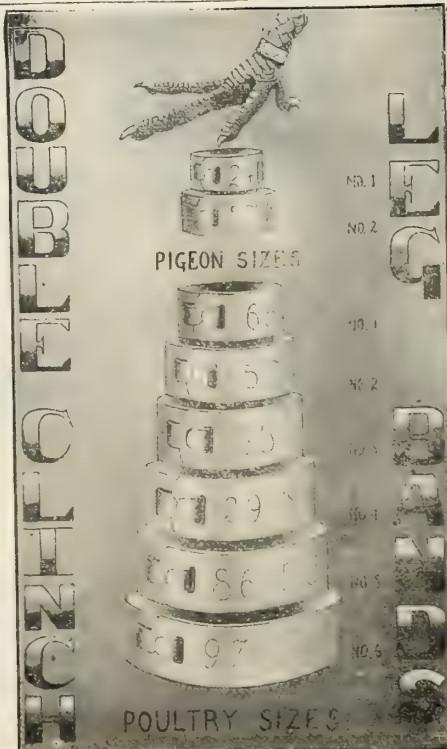
Best Rat Trap Made.  
For Rats, 20 cts.  
For Mice, 10 cts.  
Postpaid.

## Open Pigeon Bands.



Made from aluminum with rounded edges. Can be opened closed sufficiently to fit different sizes pigeons.

We furnish them numbered from 1 to 100.  
Price: Doz. 15cts.; 100, 90 cts. Postpaid.



# REX FLINTKOTE ROOFING.



Is less affected by changes in temperature, and is more durable than other roofings, due to the use of high-grade and perfect non-conducting materials in its manufacture. As a roofing and siding for poultry buildings Rex Flintkote Roofing is especially adapted. It keeps the poultry and stock warm and dry in winter and cool in summer and protects them from draughts and dampness, making them less liable to cold and disease. We also call attention to its value as a roofing and siding for all kinds of farm buildings, outbuildings, silos, etc. Cheaper than shingles, more easily laid and more durable. Flintkote Roofing is made from perfect non-conducting materials and is water, acid and alkali proof. It is therefore unaffected by heat and cold or fumes of any kind, and can be laid in all climates. Coming in four plies— $\frac{1}{2}$ , 1, 2 and 3 ply—it is suitable for any roof, provided there is a pitch of  $\frac{1}{4}$  inch to the foot or over, and can be quickly and cheaply laid.

## PRICE LIST FLINTKOTE ROOFING

|                                                       |        |
|-------------------------------------------------------|--------|
| $\frac{1}{2}$ -Ply per square (100 square feet) ..... | \$1.75 |
| 1-Ply " "                                             | 2.25   |
| 2-Ply " "                                             | 3.25   |
| 3-Ply " "                                             | 4.00   |

Each roll contains 216 square feet. Two squares (200 square feet) and 16 square feet for laps and butts. Inside each roll is packed sufficient nails, caps and cement for laying. The above are included in price quoted.

## The Stearns Bone Cutter. No. 7.

This mill runs on ball bearings, and is the easiest running bone mill on the market. The bearings are dust-proof, and it has an automatic feed.

Price,  
\$20.00.

Cash with  
order,  
5 per cent.  
discount.

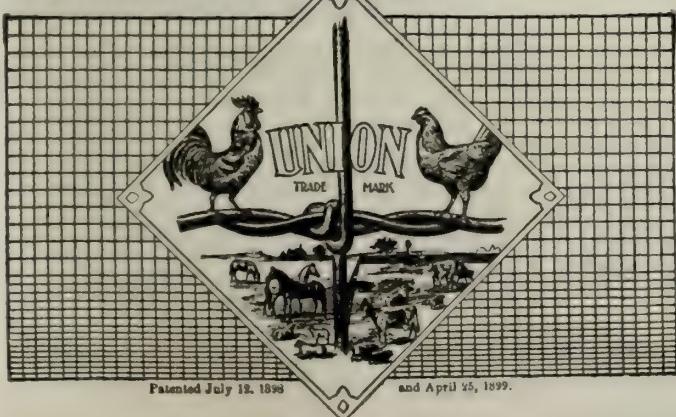
Stearns No. 7.

### PRICES.

No. 1.—1 Sitting.—15 Egg.  
Lots of 1 Dozen..... \$1.25 per Dozen  
" 10 " ..... 1.20 "

No. 2.—2 Sitting.—30 Egg.  
Lots of 1 Dozen..... \$1.90 per Dozen  
" 10 " ..... 1.80 "

## UNION LOCK POULTRY FENCE. For Poultry, Rabbits, Orchards, Gardens, etc.



Patented July 12, 1898

and April 25, 1899.

Comparing prices with ordinary poultry netting remember these bales are 15 feet longer.  
We don't sell less than full rolls.

wires twisted together.

Pickets 3 in. apart. Cables  
 $\frac{1}{4}$  in. apart at bottom.

The horizontal lines of this fence are all composed of two No. 20 galvanized steel wires twisted together.

Beginning at the bottom the first seven cables are  $1\frac{1}{2}$  inches apart, the next three cables are  $1\frac{1}{2}$  inches apart, then six cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of  $1\frac{1}{2} \times 3$  inches at the bottom, where it is needed for small chicks, and above two feet, where fowls can only reach when on the wing, the mesh is  $3 \times 4$  inches.

On account of the picket being at right angles to the cables, this fence will fit any unevenness of the ground without cutting, which is an advantage not possessed by any diamond mesh netting or diagonal mesh fencing.

As all of the cables are of the same length and run the whole length of the fabric every part can be stretched perfectly. The fence is amply strong, as the breaking strain of a No. 20 two-wire cable is 192 pounds, and there are ten cables in the first foot of fence.

Because of its strength and construction this fence requires no top or bottom rail.

### NET RETAIL PRICE LIST.

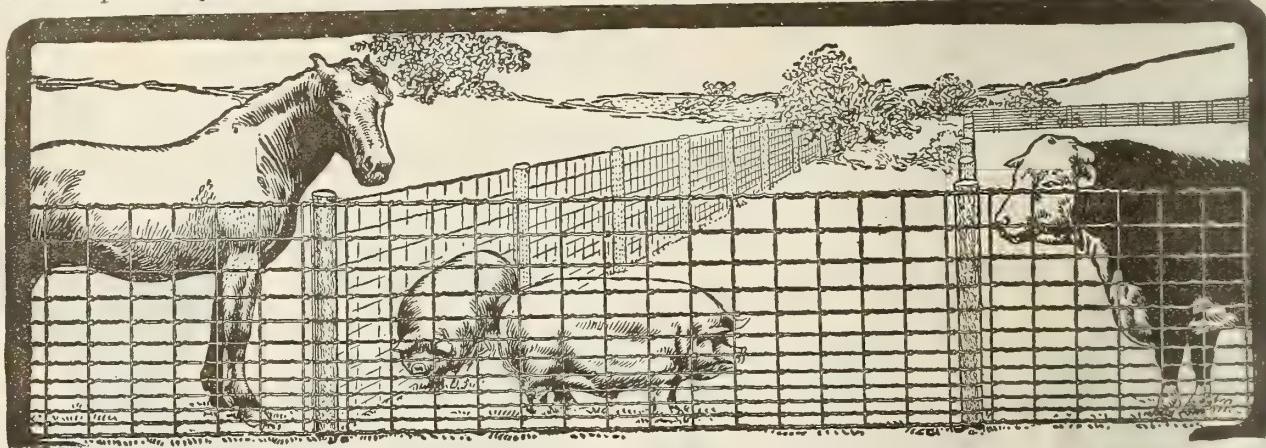
#### 10 Rod Rolls (165 feet).

|               |        |               |        |             |        |
|---------------|--------|---------------|--------|-------------|--------|
| 24 in. wide   | \$3.00 | 36 in. wide   | \$3.75 | 48 in. wide | \$4.25 |
| " 60 in. wide | \$5.00 | " 72 in. wide | \$5.75 |             |        |

# American Field and Hog Fences

MADE OF GALVANIZED WOVEN STEEL WIRE.

This is the strongest and most durable made fence on the market and should take the place of every rod of barb wire. It makes a far more durable fence than barb wire, and does not injure the stock. It is harmless, and will stop cattle, horses, sheep, dogs and pigs. It makes practically an everlasting fence if properly put up.



It is made in a large number of styles, but we carry in stock those listed below, as we have found them to be the most practical, but we can furnish any style. Our prices are net, and have been figured at a very liberal discount from the manufacturer's list as we placed our order in the fall for a large quantity and in that way got the very lowest price.

**STYLES AND SIZES IN STOCK.**

|       | In Height | Upright | Net Retail Price<br>per rod |  | In Height | Upright | Net Retail Price<br>per rod |
|-------|-----------|---------|-----------------------------|--|-----------|---------|-----------------------------|
| No. 9 | 49 in.    | 12 in.  | 37 cts.                     |  | No. 9     | 34 in.  | 6 in.                       |
| No. 9 | 49 in.    | 6 in.   | 45 cts.                     |  | No. 6     | 35 in.  | 12 in.                      |
| No. 8 | 45 in.    | 12 in.  | 33 cts.                     |  | No. 6     | 35 in.  | 6 in.                       |

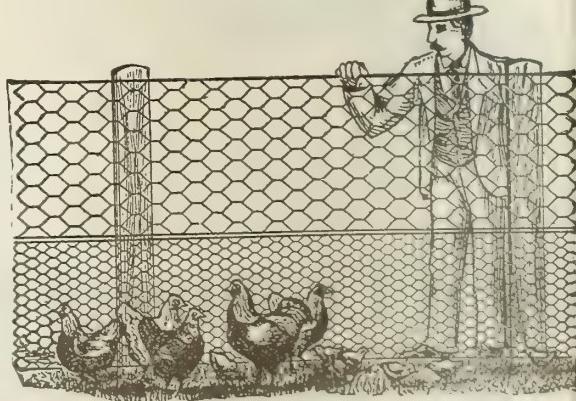
We can furnish it in either 10 or 20 Rod Rolls, but do not sell less than full roll.

## Galvanized Poultry Netting

A very popular fence for poultry and other purposes when a heavy fence is not required. Both 1 and 2 in. mesh.

**PRICE PER ROLL OF 150 RUNNING FEET.**

|                                 |       |                                 |       |
|---------------------------------|-------|---------------------------------|-------|
| 1 foot, No. 19 Wire, 2 in. Mesh | \$.85 | 1 foot, No. 20 Wire, 2 in. Mesh | \$.75 |
| 1 1/2 " "                       | 1.25  | 1 1/2 " "                       | 1.15  |
| 2 " "                           | 1.70  | 2 " "                           | 1.50  |
| 2 1/2 " "                       | 2.10  | 2 1/2 " "                       | 1.90  |
| 3 " "                           | 2.50  | 3 " "                           | 2.25  |
| 4 " "                           | 3.35  | 4 " "                           | 3.00  |
| 5 " "                           | 4.20  | 5 " "                           | 3.75  |
| 6 " "                           | 5.00  | 6 " "                           | 4.50  |
| 1 " 1 in. "                     | 2.20  | 1 in. "                         | 1.85  |
| 1 1/2 " "                       | 3.20  | 1 1/2 " "                       | 2.75  |
| 2 " "                           | 4.40  | 2 " "                           | 3.70  |
| 2 1/2 " "                       | 5.50  | 2 1/2 " "                       | 4.60  |
| 3 " "                           | 6.60  | 3 " "                           | 5.50  |



**M. M. S. POULTRY FENCING.**

This fence is made of the best No. 19 Galvanized steel wire, smoothly and evenly woven, and retains its full height before as well as after stretching. Beginning at the bottom, the spacing between the horizontal wires for the first foot is 1 1/8 in., second foot 2 1/8 in., and 3 1/8 in. above. The body wires run horizontally and are parallel to each other, therefore in stretching up the fence, as the tension is on the straight line, the fencing CANNOT possibly CONTRACT OR BUCKLE between the posts.

**EACH ROLL 10 RODS (165 FEET) LONG.**

In comparing prices with ordinary poultry netting, remember these rolls are 15 feet longer.

**NET PRICE LIST.**

|                               |        |
|-------------------------------|--------|
| 72 inch, per roll of 165 feet | \$5.00 |
| 60 "                          | 4.20   |
| 48 "                          | 3.60   |
| 36 "                          | 3.20   |

5% discount for cash with order. Parties wishing for large quantities write for special price. Freight allowed on 5 roll lots or over.



(TRADE MARK REGISTERED.)

**COMMON SENSE Calf Feeder**

Gold Medal Pan-American Exposition Satisfaction guaranteed. Prevents Scours. Weans perfectly. Calves like it a baby to the bottle. It's Nature's Own Way. Extra grain on one calf pays for two feeders. Price, \$2.00.

The only feeder adopted by Experiment Stations. Easier to operate and clean. No valves to get clogged or foul. Over 50,000 in use. More than all others combined. Nipples are reinforced without seams. Our Cow's Relief is guaranteed to cure caked bag in 24 hours. Heals chapped or cracked teats, sores, scratches, etc. Sample box by mail for 50cts. "22 Valid Reasons Why You Should Use a Feeder," free.

O. H. MFG. CO., DEPT. LYNDON, VT.

**LATHROP'S Poultry Fountain, Grit and Shell Feeder.**



Pat. March 4, 1902.

Can be used for water or grain. Always clean and ready for use. You will like it when you see it. This is one of the best chick feeders for Wyandotte Feed.

Price, only \$1.00.



Patented April 8, 1902.

**Lathrop's Chick Feed and Water Device.**

Operates Grain, Water and Soft Feed. Keeps it clean until all is consumed.

25c. each. \$2.50 doz.

**EUREKA WAGON JACK.**



The best jack for light wagons and carriages made.

Price, \$1.25.

**Buckley's Patent Watering Device For Watering Stock In Stables.**

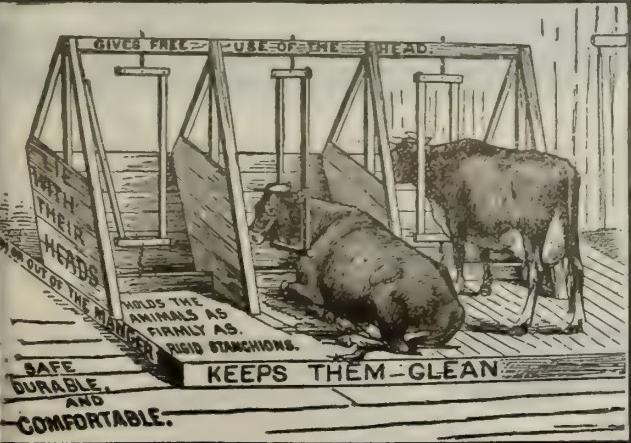


**WATER IN THE STABLE IS A NECESSITY.**

It has come to be regarded as a matter of necessity for the proper caring of stock, while in the stable, that they should have constant access to the water of suitable temperature. The Buckley process shown above is the most practical method of having it.

Plain, each, \$1.00; doz., \$11.00. With valve, \$1.25; doz., \$14.00.

**Warriner's Patent Chain Cattle Stanchions.**

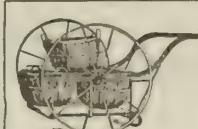


**BUTLER STEEL HAND CART.**

No. 1, \$8.00

No. 3, \$13.00

No. 2, \$9.50



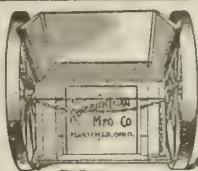
For the business man in every home this cart is indispensable. The platform hangs low; ride level.



Will hold four milk cans and is in great demand in the creamery and dairy.



Tips forward and picks up a barrel or heavy article same as warehouse truck. No heavy lifting.



Sides and ends 12 inches high, extend upward and outward from the regular cart box, making a very useful rig for handling leaves, trash, grass, eucalyptus, etc. Capacity 2½ cubic feet, or about 14 bushels.

MILLS want for a 2-wheel hand truck better than all others combined. It is not merely suitable for one special purpose but for all.

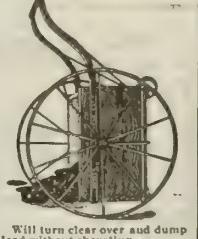
If you have use for a warehouse truck, the **BUTLER** fills that want. If you want a barrel cart, you have it in the **BUTLER**. While as a box cart for handling leaves, cut grass, trash, dirt, ashes, small grain, etc., it is your best friend. Merchants, printers, bakers, confectioners and hotels find it a great convenience for handling or delivering barrels, kegs, boxes, packages, etc. There is not a day around the farm, dairy, creamery, yard, garden or business house that it will not be in demand. It is light in weight, has great strength, and excels in general utility all other carts, and if numbers sold is any criterion of merit, this is unquestionably the cart of the future.



This can be used simultaneously around the farm, gardens or house. Box 36 ins. long, 25 ins. wide, 15 ins. deep inside. Capacity 1½ cubic feet.

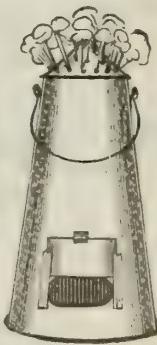


The side and end boards can be quickly detached. Easily loaded as a wheelbarrow.



Will turn clear over and dump load without shoveling.

**Eureka Fumigator.**



Dampen the tobacco stems when using.

No. 1  $\frac{1}{2}$  peck, \$1.50

No. 2 " 2.00

No. 3  $\frac{1}{2}$  bu., 2.50No. 4  $\frac{3}{4}$  " 3.50

**EASE, COMFORT AND THRIFT.**

**Smith's Patent Swing Cattle Stanchions.**

Smith's Stanchion is more largely used than any other style and gives universal satisfaction. It is held in place by means of two turned hardwood pins, which allows the animals free use of their heads, yet it always keeps them clean.

Price, each, \$1.25. Doz. lots, \$1.15 each.



These Fasteners are in use in a large number of stables and give universal satisfaction. The cut shows the device; a short chain secures the fastener to the ton beam so that it suspends  $1\frac{1}{2}$  " clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom, yet be securely fastened. It keeps them clean and gives liberty of action.

Price, each, \$1.25

Doz. lots, \$1.15 each.

## CYPRESS PLANT TUBS.



An excellent new tub, cheap, neat and durable. Made from  $\frac{1}{2}$ -inch cypress, with iron handles and feet, three iron hoops, two coats of green paint.

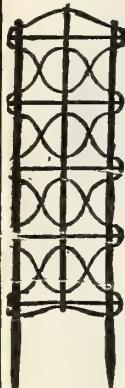
|        |                             |                            |             |
|--------|-----------------------------|----------------------------|-------------|
| No. 1. | 13 $\frac{1}{2}$ in. diam., | 11 $\frac{1}{2}$ in. high. | Each \$1.25 |
| No. 2. | 14 " "                      | 13 $\frac{1}{2}$ " "       | 1.50        |
| No. 3. | 16 " "                      | 15 $\frac{1}{2}$ " "       | 1.75        |
| No. 4. | 20 " "                      | 18 " "                     | 2.25        |
| No. 5. | 24 " "                      | 20 " "                     | 3.00        |
| No. 6. | 28 " "                      | 22 " "                     | 4.50        |

## NURSERYMEN'S STAKES

16 in. x 2 in. Extra quality. No paint.

Each, 4 Cents.

Per 100, \$2.50.



### VERANDA TRELLIS.

This is by far the most ornamental and substantial trellis made, being especially adapted to out-door use for high climbing shrubs and vines.

|                     | Each. Per Doz' |         |
|---------------------|----------------|---------|
| 5 ft. 18 in. wide,  | \$ .85         | \$ 9.00 |
| 6 ft. "             | 1.00           | 11.00   |
| 7 ft. "             | 1.15           | 13.00   |
| 8 ft. "             | 1.35           | 15.00   |
| 9 ft. 20 in. wide,  | 1.60           | 18.00   |
| 10 ft. "            | 1.85           | 21.00   |
| 11 ft. 24 in. wide, | 2.15           | 25.00   |
| 12 ft. "            | 2.50           | 28.00   |



### Wire Tree Guard.

Made of extra heavy wire.

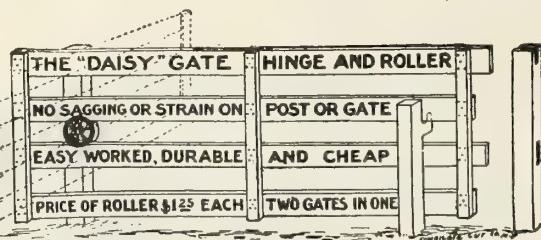
Each, \$1.00.

## PLANT STICKS

### FOR POT OR GARDEN USE.

(Square, Painted Green.)

|                                    |              |                     |
|------------------------------------|--------------|---------------------|
| 1 $\frac{1}{2}$ feet Sticks, ..... | Each, \$ .02 | \$1.00 per hundred. |
| 2 "                                | " .02        | 1.50 "              |
| 2 $\frac{1}{2}$ "                  | " .03        | 2.00 "              |
| 3 "                                | " .05        | 4.00 "              |
| 3 $\frac{1}{2}$ "                  | " .06        | 4.50 "              |
| 4 "                                | " .07        | 5.50 "              |
| 5 "                                | " .08        | 7.50 "              |
| 6 "                                | " .10        | 9.00 "              |

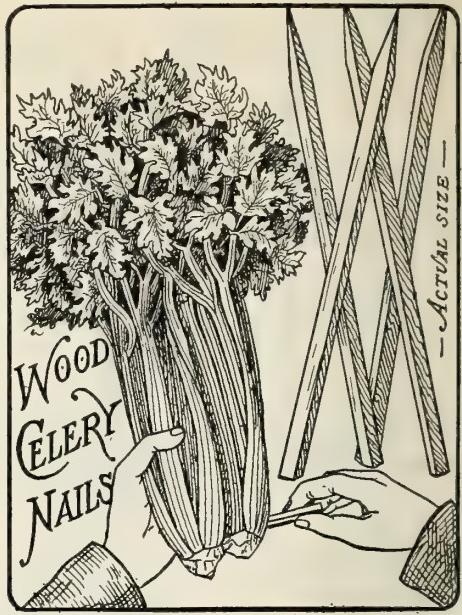


Price,  
\$1.25

## Goodale's Asparagus Knife.

This is without doubt the best asparagus knife on the market. It is made of very best steel, strong and rigid, and will stand any amount of abuse.

PRICE, 40 CTS.  
Postage, 10 cents extra.



### GROWERS OF CELERY:

Here is something new and worthy of your attention.

A wooden pin or celery nail for bunching celery.

The growers of celery have found many difficulties in using iron or wire nails for bunching, for they do not hold in place, especially when the celery is being handled. They are always dropping out. Iron nails will also rust and discolor the celery.

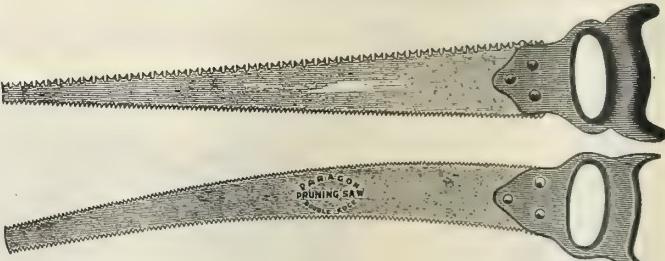
The wooden nail will never slip out until pulled out, and will never rust or discolor the celery.

They cost about 13c. per M., while nails cost about 30c. Put up in boxes containing 7500.

Price, \$1.00 per Box.

12 boxes for \$11.00. 1000 by mail, postpaid, for sample, 30c.

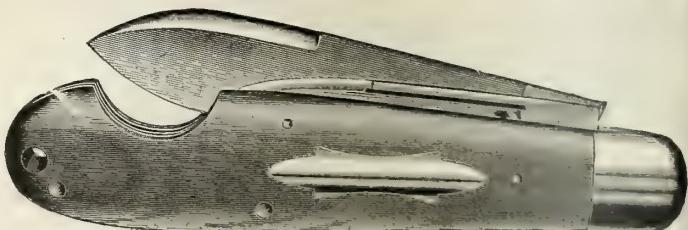
### TWO EDGED CURVED BLADE PRUNING SAW.



The best hand pruning saw ever made, either pull or push.

Price, 16 in., 50c. 18 in., 60c. 16 in. straight, 50c. 18 in. straight, 60c. 18 in. one edge, 50c.

## THE EASY OPENER POCKET KNIFE.

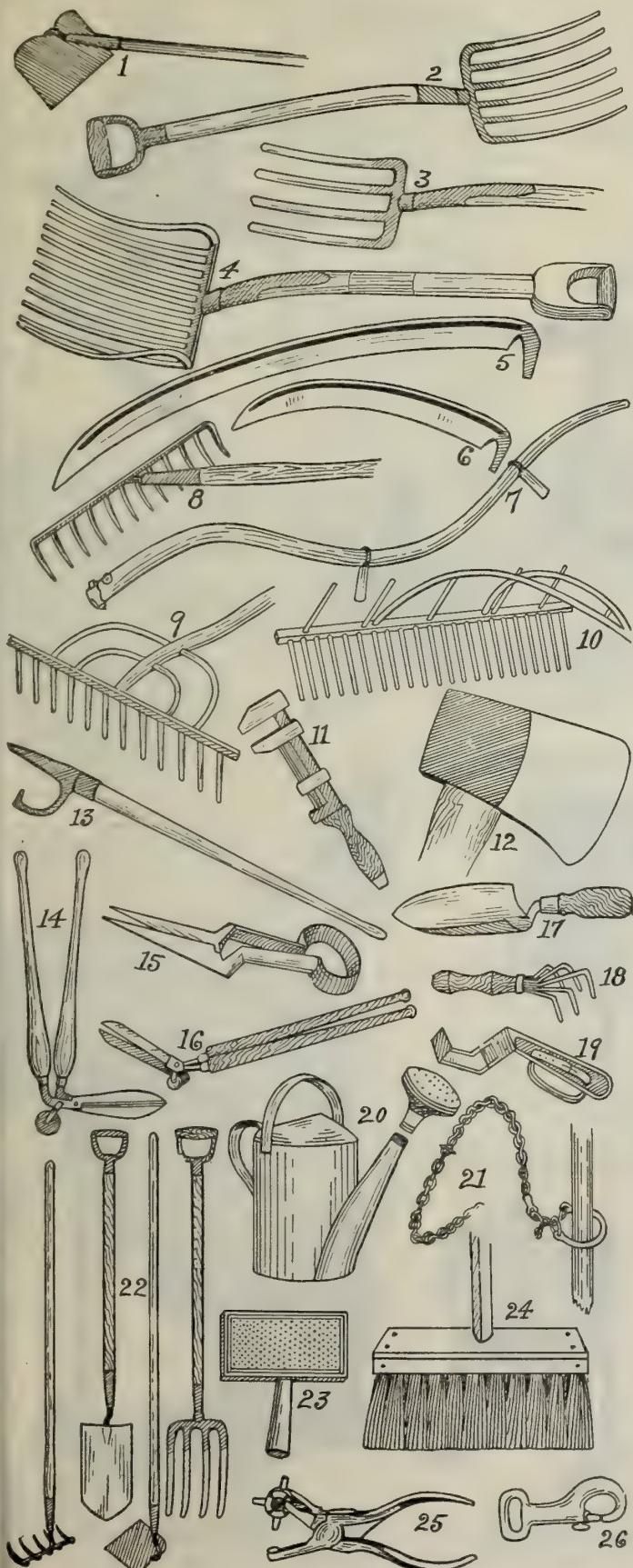


We offer in this knife something every farmer should have—an American made knife with hand forged blades of the best razor steel, tested and warranted. We have this knife made for us in large quantities, and are in position to sell it at a much lower price than we otherwise could.

Price, postpaid, 55 cts.

By express with other goods, 50c.

Order one and see how good a knife it is. You can return it if you are not satisfied.

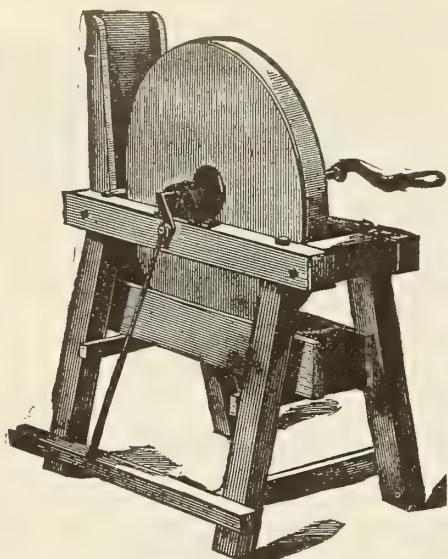


The following is a partial list of the large line of hand tools which we carry.

In ordering give name, number and size.

|                                                 | Each.       |
|-------------------------------------------------|-------------|
| <b>No. 1. Hoes.</b>                             |             |
| 7½-8 in. Field Socket . . . . .                 | \$.50       |
| 7½-8 in. Field Shank . . . . .                  | .45         |
| 8 in. Meadow Socket . . . . .                   | .55         |
| 8½ in. " " . . . . .                            | .55         |
| 9 in. " " . . . . .                             | .55         |
| 9½ in. " " . . . . .                            | .55         |
| 8 in. Meadow Shank . . . . .                    | .50         |
| 8½ in. " " . . . . .                            | .50         |
| 9 in. " " . . . . .                             | .50         |
| 9½ in. " " . . . . .                            | .50         |
| 9 in. R. I. Socket . . . . .                    | .55         |
| Ladies' . . . . .                               | .40         |
| Boys' . . . . .                                 | .45         |
| Square Top Onion . . . . .                      | .45         |
| 9 in. Mortar . . . . .                          | .70         |
| 10 in. " . . . . .                              | .75         |
| <b>No. 2. Manure Forks.</b>                     |             |
| 4 Tine, Long Handle,<br>Strapped . . . . .      | .75         |
| 4 Tine, Iron D Handle,<br>Strapped . . . . .    | .80         |
| 5 Tine, Iron D Handle,<br>Plain . . . . .       | .95         |
| 5 Tine, Wood Handle,<br>Plain . . . . .         | 1.05        |
| 5 Tine, Long Handle,<br>Strapped . . . . .      | .95         |
| 5 Tine, Iron D Handle,<br>Strapped . . . . .    | 1.00        |
| 5 Tine, Wood D Handle,<br>Strapped . . . . .    | 1.10        |
| 6 Tine, Iron D Handle,<br>Plain . . . . .       | 1.05        |
| 6 Tine, Wood D Handle,<br>Plain . . . . .       | 1.15        |
| 6 Tine, Long Handle,<br>Strapped . . . . .      | 1.10        |
| 6 Tine, Iron D Handle,<br>Strapped . . . . .    | 1.10        |
| 6 Tine, Wood D Handle,<br>Strapped . . . . .    | 1.25        |
| <b>No. 3. Spading Forks.</b>                    |             |
| 4 Tine, Iron D Handle,<br>Plain . . . . .       | .75         |
| 4 Tine, Wood D Handle,<br>Plain . . . . .       | .85         |
| 4 Tine, Iron D Handle,<br>Strapped . . . . .    | .80         |
| 4 Tine, Wood D Handle,<br>Strapped . . . . .    | .90         |
| 4 Tine, Long Handle,<br>Strapped . . . . .      | .80         |
| 5 Tine, Iron D Handle,<br>Strapped . . . . .    | 1.10        |
| 5 Tine, Wood D Handle,<br>Strapped . . . . .    | 1.15        |
| <b>No. 4. Coke Fork.</b>                        |             |
| 10 Tine, 1½ in. between<br>Tines . . . . .      | 1.35        |
| 14 Tine, 1½ in. between<br>Tines . . . . .      | 1.75        |
| <b>No. 5. Scythe.</b>                           |             |
| Clipper . . . . .                               | .80         |
| Foster, all steel . . . . .                     | 1.00        |
| Solid steel . . . . .                           | .90         |
| Black Hawk . . . . .                            | 1.00        |
| <b>No. 6. Bush Scythes.</b>                     | .85         |
| Ash . . . . .                                   | .75         |
| Bush Snaths . . . . .                           | .75         |
| <b>No. 7. Scythe Snath,</b>                     |             |
| <b>No. 8. Steel Rake.</b>                       |             |
| 12 Tooth, iron 30c.; steel .50                  | .50         |
| 14 " " 35c.; " .55                              | .55         |
| 16 " " 40c.; " .60                              | .60         |
| <b>No. 9. Rake.</b>                             |             |
| 2X, 3 Bow Bent . . . . .                        | .40         |
| X, 3 Bow, Bent . . . . .                        | .30         |
| Lawn Rake, 28 Teeth,<br>Steel Bow XX, 50c.; Ex. |             |
| No. 1 . . . . .                                 | .40         |
| <b>No. 10. Drag Rake.</b>                       | .75         |
| <b>No. 11. Wrench.</b>                          |             |
| 8 in. . . . . 25 10 in. . . . .                 | .30         |
| <b>No. 12. Foster Axe.</b>                      | .75         |
| Black Jacket Axe . . . . .                      | 1.00        |
| <b>No. 13. Cant Hooks.</b>                      | 1.25        |
| <b>No. 14. Lawn Shears.</b>                     | 2.75        |
| <b>No. 15. Grass Shears.</b>                    | .25 and .50 |
| <b>No. 16. Lawn Shears.</b>                     | 8.00        |
| <b>No. 17. Garden Trowel.</b>                   |             |
| 6 in., Steel . . . . .                          | .20         |
| <b>No. 18. Secor Weeder.</b>                    | .10         |
| <b>No. 19. Langs Weeder.</b>                    | .25         |
| <b>No. 20. Watering Pot.</b>                    |             |
| 4 quart . . . . .                               | .40         |
| 6 " . . . . .                                   | .50         |
| 8 " . . . . .                                   | .55         |
| 10 " . . . . .                                  | .60         |
| 12 " . . . . .                                  | .70         |
| 16 " . . . . .                                  | .75         |
| <b>No. 21. Cow Tie.</b>                         |             |
| 3½ feet . . . . .                               | .30         |
| 4 feet . . . . .                                | .35         |
| 4½ feet . . . . .                               | .40         |
| <b>No. 22. Garden Sets.</b>                     |             |
| 1. 3 pieces . . . . .                           | .10         |
| 2. 3 pieces . . . . .                           | .15         |
| 3. 3 pieces . . . . .                           | .25         |
| 4. 4 pieces . . . . .                           | .50         |
| <b>No. 23. Cattle Card.</b>                     |             |
| No. 1, large leather, bound .12                 |             |
| No. 2, large leather, not<br>bound . . . . .    | .10         |
| No. 3, small leather, bound .10                 |             |
| No. 4, small leather, not<br>bound . . . . .    | .08         |
| <b>No. 24. Rattan Bush Broom.</b>               |             |
| 5 row, 14 inches . . . . .                      | .50         |
| 5 row, 16 inches . . . . .                      | .55         |
| 6 row, 16 inches . . . . .                      | .60         |
| <b>No. 25. Revolving Harness<br/>Punch</b>      |             |
| 4 Tube . . . . .                                | .50         |
| 5 Tube . . . . .                                | .60         |
| <b>No. 26. Harness Snaps.</b>                   |             |
| .03 to .08                                      |             |

## The Hecla Oak Frame Grindstone



This stone we have made for us, and it is as good a stone as money will buy. It is furnished with a best Nova Scotia stone, the frame is very strong and made of oak, has both crank and foot treadle, with trough and protector.

|                  |                     |                   |
|------------------|---------------------|-------------------|
| Size 22 in. .... | List price, \$ 8.50 | Net price, \$7.25 |
| " 24 in. ....    | " 9.00              | " 7.75            |
| " 26 in. ....    | " 9.50              | " 8.25            |
| " 28 in. ....    | " 10.00             | " 8.75            |
| " 30 in. ....    | " 10.50             | " 9.25            |

## The Velox

### Foot Power Grindstone.



The wood choppers' friend and handy in any shop or place where a grindstone is needed and no one to turn.

Price, \$5.00. Cash with order, \$4.50.

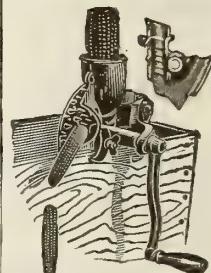
## Wilcox Mounted Grindstones.

This is the best low priced grindstone on the market. The stone is best Berea Grit (Ohio), the legs are iron, which will not rot if left out during haying, the wood side-pieces are painted bright vermilion. Runs on ball bearings, and every stone warranted to run true. No. 1. Stone weighs about 100 lbs., \$5.00. No. 2. Stone weighs about 80 lbs., \$4.50. No. 3. Stone weighs about 60 lbs., \$4.00.

Discount for cash, 50 cents.



## THE RED CHIEF Corn Sheller.



This Sheller, although low in price, is guaranteed to do as good work as any sheller on the market. Clamps to barrel or box; adjusts itself to any size of ear; has attachment for shelling pop corn.

Price Plain, \$2.00.  
Attachment, \$.25.

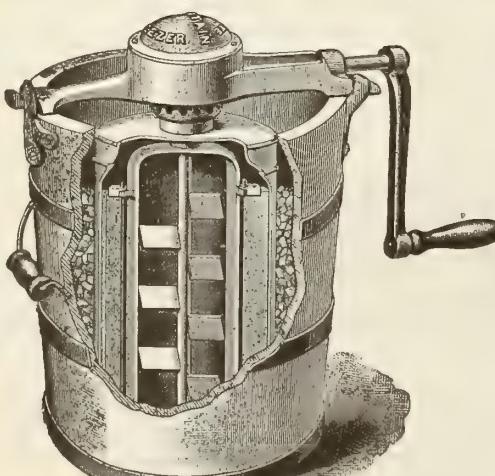
25 cents discount for cash.

## Wisconsin Valley Corn Sheller.

The most popular type of hand corn sheller made, and as improved and now manufactured it combines every desirable feature to make it a perfect sheller.

Price, \$7.00.  
Discount for cash, 50 cts.

## White Mountain Ice Cream Freezer



These Freezers are imitated, but not equalled. There are cheaper freezers in price than the White Mountain, but not so good.

|                            |                             |
|----------------------------|-----------------------------|
| 2 quart, net price, \$2.00 | 10 quart, net price, \$5.50 |
| 3 quart, " 2.25            | 12 quart, " 7.00            |
| 4 quart, " 2.65            | 15 quart, " 8.50            |
| 6 quart, " 3.25            | 20 quart, " 10.75           |
| 8 quart, " 4.50            | 25 quart, " 13.50           |

## The Banner Root and Vegetable Cutter



The "Banner" Root Cutter contains features found in no other machine. It has a self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke.

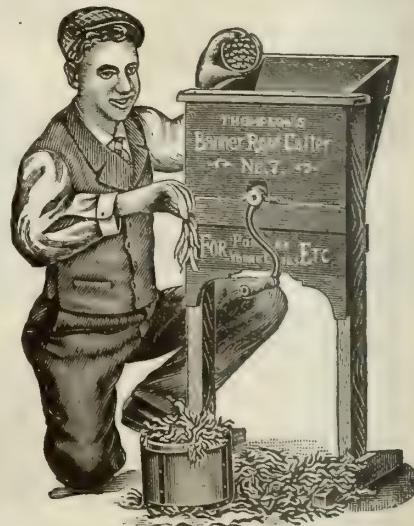
Price No. 20. Hand power, capacity 30 to 50 bushels an hour, \$11.00. Discount for cash, \$1.00.



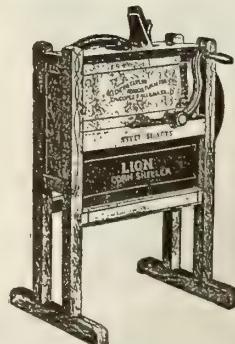
## CAST - IRON Hand Corn Sheller.

For convenience and general utility this little corn sheller will be found one of the handiest tools imaginable. It is so simple that there is absolutely nothing about it to get out of order, and so strong that it will not break. Net price, \$1.50. Discount for cash, 25 cents.

## No. 7 Banner Root Cutter for Poultry Keepers



## Lion Corn Sheller



Made with a heavy Balance Wheel, Steel Shafts, Adjustable Iron Hopper with Steel Springs. Solid Side Bearings, which hold the shafts firmly in position. Retail price, \$12.00. Discount for cash, \$2.00.

Cuts all kinds of Roots, Beets, Carrots, Turnips, Potatoes, Apples, etc., leaving them as fine as shavings.

Net Price, \$5.00. Discount for cash, 25c.

## Beekman Garden Barrow.



This barrow is made of hardwood but not all oak; it is well made, all parts being bolted or screwed. Our best seller.

### PRICES.

|                                 |        |
|---------------------------------|--------|
| No. 2. Boys' Size,              | \$3.00 |
|                                 | 3.25   |
| No. 6. Large Size, for farmers, | 3.50   |

No. 4. Medium Size, for garden,.....

No. 6. Large Size, for farmers,.....

## Klondyke Steel Tray Barrow.

This barrow is made similar to our Contractors' Favorite with the exception of the tray which is made of one piece of sheet steel about the size of a wood tray.

Trays are painted one heavy coat of paint.



Price, each, \$2.75

## The "Goshen" Galvanized Tank Heater.

Adapted for either Steel or Wood Tanks.

### A FEW GOOD POINTS.



It has no inside bolts or rods to rust out; no solder to melt; no pipes to freeze up and burst; not injured if water gets low in tank; can be used as a stove with perfect safety; heats water quickly and cheaply; draft perfect and easily regulated; radiates heat from its entire surface; burns anything.

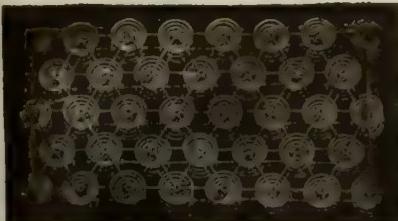
### MADE IN TWO SIZES.

Complete heater includes one 24-inch joint of Galvanized Stack, Damper, Spark Arrestor, Shovel, Poker, and two Metal Rods with screw points.

### LIST PRICE.

|                  |        |
|------------------|--------|
| No. 2, complete, | \$6.00 |
| No. 1, complete, | \$7.50 |

## THE UNION SPRING STEEL WIRE CUSHION.



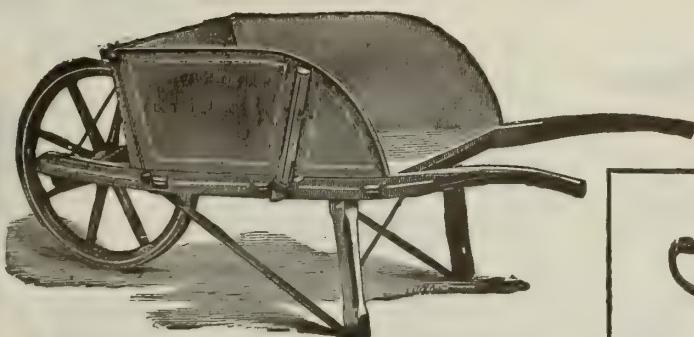
The best in the market for wagons, carriages, barges, etc. Made any size in length or width. Can be used either side up, and are hooked together so they cannot get out of order. They are placed on the seat and are used with only a thin cushion or a blanket on them, and in wet weather can be used alone.

### PRICES.

14-Inch, \$1.25; 18-Inch, \$1.50; 42-Inch, \$3.00  
Other Sizes Made to Order.

## Lawn or Garden Wheelbarrow.

### CUSTOM MADE.



This barrow we have made for us and is especially designed for our retail trade. It is made entirely of oak, is handsomely painted and varnished, and is put together with bolts and screws. Has a high wheel with eight spokes. It is an ornament to any garden. One size only.

No. 4. Price, \$4.25

Designed for Store or Stable. Made in three styles for Shovels, Hoes or Forks. Combination Racks for stores can be used for all.

Price, each, 50 cents.  
Dozen, \$5.00.



## HAGER TOOL RACK.



## L. R. LAWN ROLLER.

To keep your lawn smooth and prevent drying up you must roll it, especially in the early spring and it should be rolled often during the season. The surface of this roller is turned perfectly smooth with edges beveled to prevent cutting the grass roots. It is finished in aluminum and is very handsome. Designed not only for Lawns but for Tennis Courts, Golf Links, Polo Grounds, etc. We carry in stock two sizes only, but can furnish other sizes.

|                         | Weight   | List price | Net price |
|-------------------------|----------|------------|-----------|
| No. 7—2 section 20 x 20 | 215 lbs. | \$14.00    | \$10.00   |
| No. 8—2 section 20 x 24 | 245 lbs. | 15.00      | 10.50     |

## Common Bolted Dump Barrow.



This is a much better made barrow for the price than is usually sold. The legs and braces are bolted, has a good wood wheel

with iron bound hub, and with the exception of our Contractors' Favorite is the best dump made. Price, each, \$1.60; per dozen, \$18.00

## Dump, or Contractors' Barrow.

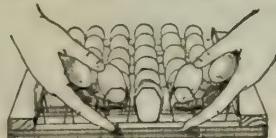
The Contractors' Favorite Dump Barrow is without doubt the strongest and most durable dump barrow on the market. Please notice the Iron Shoe, which is unlike any other barrow. The stock used is the very best, and it is bolted throughout. We can furnish either wood or steel wheel.



Price, each, Wood Wheel, \$1.75, doz. \$20.00; Steel Wheel, \$2.00, doz. \$23.00

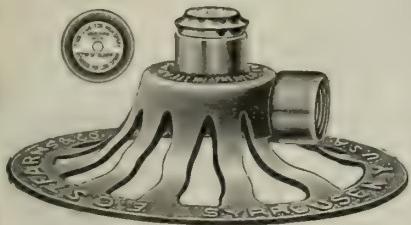


## WIRE EGG CARRIER.



The latest and best invention for handling eggs.  
6 doz., each \$1.00 | 25 doz., each, \$2.00  
9 " " 1.25 | 30 " " 2.25  
15 " " 1.50 | 36 " " 2.50  
20 " " 1.75 |

## THE STEARNS REVERSIBLE LAWN SPRINKLER.



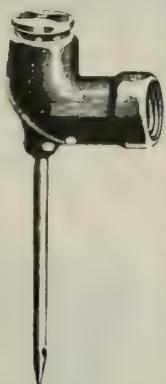
PRICE ..... 75 cts

**Stearns**

**No. 2**

**Lawn**

**Sprinkler.**



Price, 25 cents.

## Do Your Cattle and Horses Always get Salt?



This method of feeding pure salt to stock has been adopted in the largest stables and grows in favor daily. All first-class stables should have it.

Salt Brick, 20 cts.; dozen, \$2.00.  
Salt Brick Holder, 25 cts.

No. 44. Calking Bar ..... \$2.50

No. 47. Socket Packing Chisel... \$3.25

## ICE TONGS.



Boston Pat. Swell Handle

PRICE:

|               |        |
|---------------|--------|
| 16½ inch..... | \$1.25 |
| 24 " .....    | 1.50   |

## Fruit

## Pickers



The Peerless. Very handy for gathering apples, pears or plums.

PRICE, Peerless ..... 25 cts.

## Our Special Out-Door Dryer



Made of Best Stock; Cotton Line.

110 Foot Line ..... \$3.50

150 " " ..... 4.00

Above includes box to go into the ground.

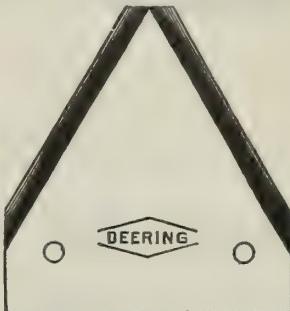
## DEERING MACHINE OIL.



Never use cheap oil; the best is none too good. If you buy Deering Oil your machines will run easy.

Price, 2 qt. can, 40c.; 4 qt. can, 75c.

## Mowing Machine Sections.



Deering, Wood, McCormick, Champion, Osborne. Each, 6c.; per 100, \$5.00. Give size of section, or send old one for pattern.

No. 41. House Bar ..... \$2.50

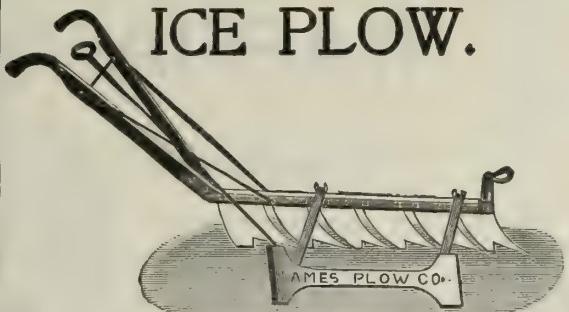
No. 45. Starting Bar ..... \$3.25

No. 43. Splitting Fork ..... \$4.25

No. 15. Ice Saw.  
4-foot, \$3.00; 4½-foot, \$3.25; 5-foot, \$3.50.

No. 39. Breaking Bar ..... \$3.25

## RED, WHITE AND BLUE ICE PLOW.



For Dairies, Butchers, Farmers and small dealer: this plow is especially designed. The workmanship is equal in every way to the best quality plows. It is made in two sizes with swing guide, cutting 7½ and 9 inches, and one size without guide, cutting 11 inches; this size is designed to follow the 7½ inch in cutting thick ice.

½ in. with Imp. Clearing Tooth and 22 in. swing guide, \$25.00

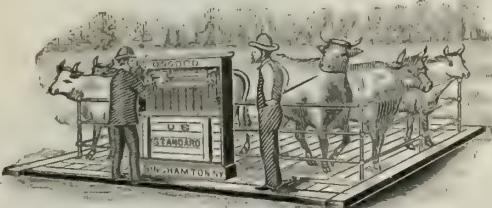
9 " " " " no guide, 30.00

11 " " " " " " 30.00

Adjustable Swing Guide for marking 16, 18, 20 and 22 in., extra, 1.50

Swing Guide for marking, extra, 1.00

## THE HERCULES FARM SCALES.



Every farm should have one of these scales either hung in the barn floor or conveniently located outside where all kinds of farm produce can be weighed. We will gladly send complete catalog describing all sizes and giving prices on different styles. Send for it.



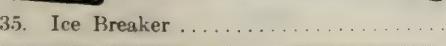
Manila or Sisal Binder Twine, for grain reapers or corn harvesters. This is also used for tying vegetables for the market; is much cheaper than raffia, and not as much work to tie. It is put up in 5 pound balls, a very convenient size. Price per pound, 15 cents.



No. 44. Calking Bar ..... \$2.50



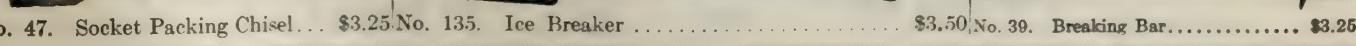
No. 47. Socket Packing Chisel... \$3.25



No. 135. Ice Breaker ..... \$3.50



No. 44. Calking Bar ..... \$2.50



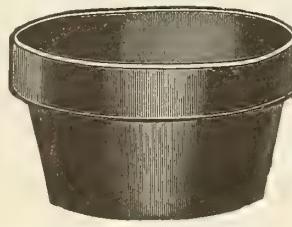
No. 47. Socket Packing Chisel... \$3.25

**LIST OF  
PANS,  
STANDARD  
FLOWER  
POTS  
AND  
SAUCERS  
WITH RIMS.**

Inside measurement,  
width and depth equal

| Size.  | Per M. | Size.  | Per M.  |
|--------|--------|--------|---------|
| 1½ in. | \$7.00 | 2½ in. | \$11.00 |
| 2 in.  | 8.00   | 2½ in. | 12.50   |
| 2½ in. | 9.00   | 3 in.  | 14.00   |

| Size            | Pots.   | Saucers. | P. & S. |
|-----------------|---------|----------|---------|
| 4 in. per hundr | \$ 2.20 | \$ 1.80  | \$ 4.00 |
| 5 in. "         | 4.00    | 2.25     | 6.25    |
| 6 in. "         | 6.00    | 3.00     | 9.00    |
| 7 in. "         | 10.00   | 4.00     | 14.00   |
| 8 in. "         | 14.00   | 6.00     | 20.00   |
| 9 in. "         | 20.00   | 8.00     | 28.00   |
| 10 in. "        | 27.00   | 10.00    | 37.00   |
| 11 in. "        | 36.00   | 12.00    | 48.00   |
| 12 in. "        | 50.00   | 15.00    | 65.00   |
| 13 in. "        | 75.00   | 20.00    | 95.00   |
| 14 in. each,    | 1.00    | .25      | 1.25    |
| 15 in. each,    | 1.50    | .30      | 1.80    |
| 16 in. each,    | 2.00    | .35      | 2.35    |
| 18 in. each,    | 3.00    | .50      | 3.50    |

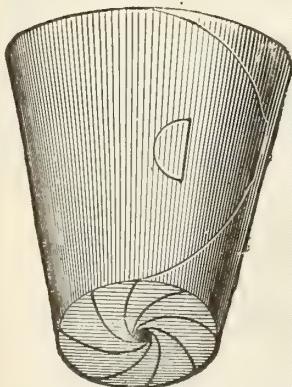


## Round Seed Pans

| Per 100      |         | Per 100       |          |
|--------------|---------|---------------|----------|
| 6 in. Round, | \$ 6.00 | 10 in. Round, | \$ 18.00 |
| 7 in. "      | 8.00    | 12 in. "      | 35.00    |
| 8 in. "      | 10.00   | 14 in. "      | 75.00    |
| 9 in. "      | 14.00   |               |          |

500 Lots, 20 per cent, discount from list.  
1000 Lots, 40 per cent, discount from list.

## Neponset Flower Pots.



lightness and cleanliness cannot be equaled.

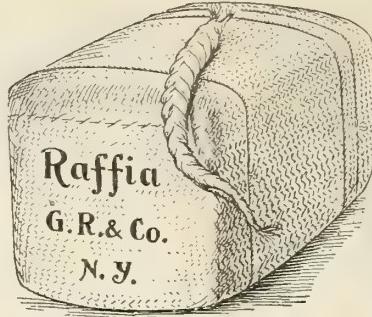
WEIGHT  
PACKED FOR SHIPMENT.

PRICE

| No. in.           | Crate. | Size.     | Weight. | Per 100 | Per 1000 |
|-------------------|--------|-----------|---------|---------|----------|
| 1000 2½ inch Pots |        | 20 pounds |         | \$0.25  | \$2.20   |
| 1000 2½ " "       |        | 23 "      |         | .30     | 2.40     |
| 1000 3 "          |        | 33 "      |         | .45     | 3.90     |
| 1000 3½ "         |        | 44 "      |         | .60     | 5.15     |
| 500 4 "           |        | 38 "      |         | .80     | 6.90     |
| 500 5 "           |        | 56 "      |         | 1.20    | 10.35    |
| 500 6 "           |        | 74 "      |         | 1.65    | 14.55    |

Not less than original crates 1000 rate.

SAMPLES BY MAIL.



## RAFFIA

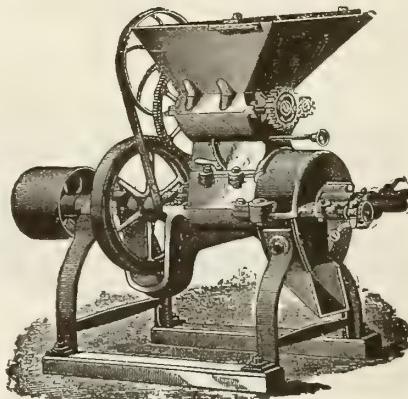
### An Imported Grass

for tying vegetables; also used for tying shrubs, vines, and for making baskets, etc.

Per lb. 18 cts.

5 lb. lots, 15c. per lb.

## THE KELLEY GRIST MILL



The Kelley Duplex Grinding or Feed Mill is in very general use throughout the whole country. The one reason why the Kelly Duplex is so popular, and why it attracted such a large number of buyers, is that it is superior to any other mill. By superior, we mean that it is capable, in the hands of ordinary operators, of doing a great deal more than any other mill, and doing it better and easier, requiring less power and producing a better grade of feed.

### Why this is the best Iron Mill made.

Because it is provided with a double set of grinders or burrs, for which reason it is called the "Duplex."

It is the only mill manufactured which has double or duplex grinders.

It can do as much work as any other mill of double its size.

It will grind any kind of grain, or corn and cob, equally well, and will produce meal of any desired quality, coarse or medium or fine.

### PRICE:

| No. 1   | No. 2   | No. 3   | No. 4   |
|---------|---------|---------|---------|
| \$35.00 | \$45.00 | \$50.00 | \$65.00 |

Send for Circular.



To Farmers  
and other  
Patrons of  
Rural Free  
Delivery.

### BURNHAM SIGNAL MAIL BOX.

Please consider carefully the following facts claimed for the Burnham Automatic Rural Mail Box.

It is strictly automatic, and is the only self-locker and flag raiser on the market.

The contents of the box are absolutely protected from rain, snow and dust, and the lock cannot be effected by the weather in any way, as it is well protected from rain, snow or sleet, nor can the opening of the box be prevented by ice.

It saves the carrier and patron alike, the time and trouble of getting out the key to lock the box when depositing mail, as the box cannot be locked except when there is something in it, and the act of placing mail in the box locks the same upon dropping lid or cover of box, without the use of a key, and at the same time raises the flag.

Burnham Automatic Signal Mail Box with flag up, shows carrier and patron alike that there is mail to collect and that the box is therefore locked, hence the key is used to unlock and open box to get the mail left. Removing the mail matter automatically lowers the flag when lid is closed preventing locking of box. Price, \$2.00.

CLOSED.



This box is approved by the Postmaster General.

## J. I. C. Stable Pail



The best stable pail on the market. Made of best oak, with strap running down the side and heavy iron bail. Price 50 cents.

Electric Hoop Barn Pails, cedar, painted, ea. 40c.

Electric Hoop Barn Pails, pine, painted, ea. 35c.

Electric Hoop House Pails natural color, ea. 30c.



## THE RICH LEVER CUTTER

The best lever cutter made. Knife always up to its place.

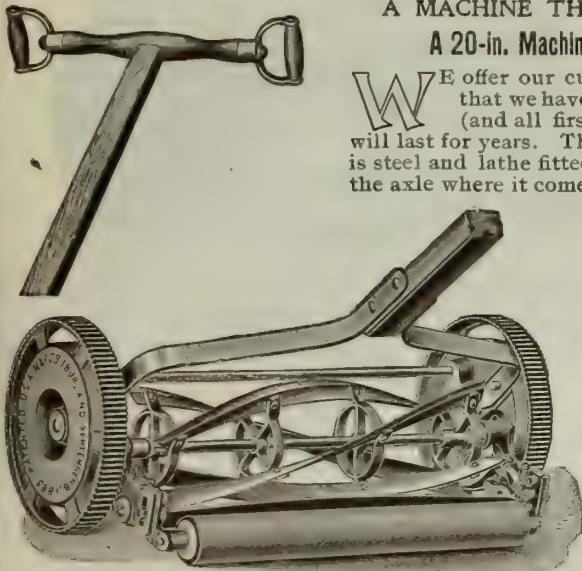
|                       |        |
|-----------------------|--------|
| No. A, each . . . . . | \$4.25 |
| No. B, each . . . . . | 4.50   |
| No. C, each . . . . . | 5.00   |

# Lawn Goods of All Kinds

## The Knollwood Ball Bearing High Wheel Spade Handle Lawn Mower

A MACHINE THAT POSSESSES ALL THE GOOD QUALITIES OF OTHER STYLES.

A 20-in. Machine of this make runs as a 12-in. of the old style, and a Handle made to fit your hands.



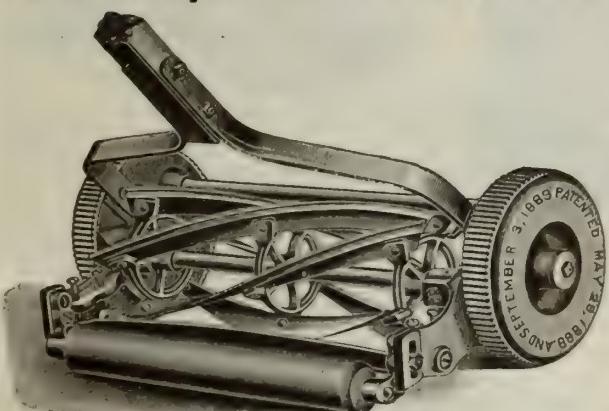
We offer our customers this machine not as an experiment, but as a guaranteed article, one that we have tested ourselves during the past 6 years. This machine runs on ball bearings (and all first-class machines ought to). The balls used are of the very best quality and will last for years. They are enclosed in steel cups which protect them from wear. The main axle is steel and lathe fitted and is adjusted as nice as any high priced piece of machinery. The end of the axle where it comes in contact with the balls is cone shaped, and any possible wear can be easily taken up. The machine has a nine-inch wheel, four knives of the best quality of steel and, last but not least, a handle that is made to fit your hand. (See the spade handle in cut.) After giving you the best mower it is possible for us to get, we have put on to it a handle we have all been looking for. With this Spade Handle the operator has perfect control over the machine and can handle it perfectly on a side hill or on narrow borders. While this machine is the best on the market for private homes, it is especially adapted for parks, cemeteries and large lawns, and to that class of buyers we will make special prices in quantities.

|                   |        |
|-------------------|--------|
| 14-inch . . . . . | \$7.00 |
| 16-inch . . . . . | \$7.25 |
| 18-inch . . . . . | \$7.50 |
| 20-inch . . . . . | \$7.75 |

We make a specialty of sharpening LAWN MOWERS. Called for and delivered promptly in the city. Price \$1.00.

Out of town parties shipping machines be sure and have their name on tag.

## The Royal Golf Mower



Since golf was introduced into this country, there has been a great demand for a mower that will cut grass close and even and one that will run easily and be durable. It was this machine that made the English golf grounds famous, and as the machine has been thoroughly tested on some of the largest golf links in the world, we offer it to our customers with perfect confidence. It has five revolving knives running at high speed and cuts very close to the ground.

PRICES, TWO SIZES ONLY

16 in. . . . . \$7.00    18 in. . . . . \$7.50

## Cleveland Lawn Weeder



The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant and a slight pull suffices to dislodge it without disturbing the surrounding sod. Price, only \$1.00.

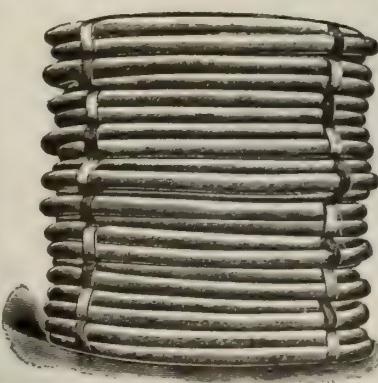
## The Columbia Revolving LAWN SPRINKLER



This is one of the most durable as well as one of the best Lawn Sprinklers on the market. The base is heavy cast iron, which prevents it from tipping over, and the arms may be unscrewed and the legs removed, and all come packed in a very small box. This is a first-class article at a low price.

Price, \$1.25

## Rubber and Cotton Hose



Our Hose is all made expressly for us by the most reliable manufacturer in the state and every piece is warranted, but it is economy to buy the best grade, as it will last several years.

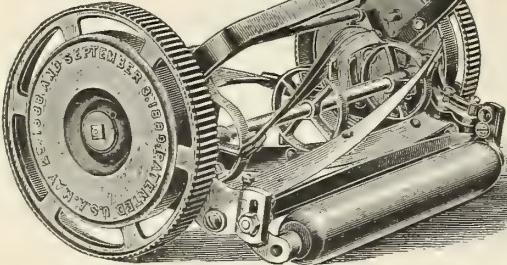
### PRICES,

1 in. 1 in.

|                 |    |    |
|-----------------|----|----|
| Bull Dog, 7 Ply | 12 | 14 |
| Tiger, 6 "      | 9  | 11 |
| Leader, 5 "     | 8  | 10 |
| Cotton,         | 11 | 13 |

# Rossmoyne Style C Lawn Mower

NINE INCH WHEELS

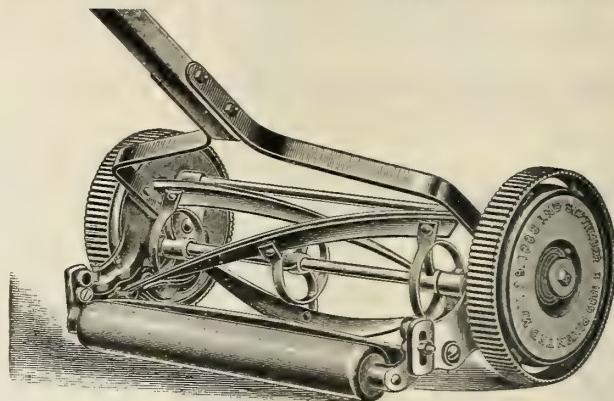


This machine has four knives, high wheels. It runs on ball-bearings of the same quality as those used on other machines. It is a first-class, medium-price mower. All the parts are fitted on a lathe, and we warrant every machine we sell. For a medium-price machine, you will make no mistake in buying this one.

—Net Prices.—

12 inch, \$5.00; 14 inch, \$5.25; 16 inch, \$5.50; 18 inch, \$5.75; 20 inch, \$6.00.

# THE LITTLE GIANT LAWN MOWER.

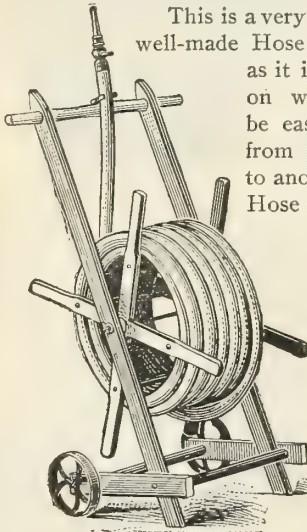


For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut, we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as a high-grade machine, and, being a light-running mower, is preferred by many to the higher grade styles. We warrant every machine and never have had to replace one. 8 in. wheel.

—Net Prices.—

12 inch, \$2.75. 14 inch, \$3.00. 16 inch, \$3.25. 18 inch, \$3.50.

## The Eclipse Hose Reel.



This is a very handy and well-made Hose Reel and as it is mounted on wheels can be easily moved from one place to another.

Hose should always be wound on a reel as it prevents it from rotting.

Price,  
75 Cts.

## Bieder Adjustable Grass Catcher.



Gathers grass without the use of a rake, and without time or labor. Made of bright striped canvas on a galvanized frame. They are adjustable in height and width, to fit all sizes and makes of mowers.

No. 7. Fits all Low Wheel Mowers, 18 inches and smaller. Price, 75 cents.

No. 13. Fits all High Wheel Mowers, 24 inches and smaller. Net price, \$1.00.

## NEW EXCELSIOR HORSE LAWN MOWER



It is quite essential to those having extensive lawns who desire to keep them in fine order that the grass should be evenly cut in order to produce a beautiful appearance. The New Excelsior Horse Lawn Mower is especially built for this purpose. We furnish the Mower with side-draught attachment that permits the horse to walk only on the cut grass. We use the sectional caster wheels which do not roll down the standing grass nor leave unsightly marks upon the lawn. We fully guarantee them in every particular. The Horse Lawn Mower is made in Three Sizes, viz.: 25 inch cut, without Seat or Shafts, ..... \$65.00 30-inch cut, with Seat and Shafts, ..... 110.00 35-inch cut, with Seat and Shafts, ..... 135.00 Discount, 40 per cent. Cash with order, 5 per cent. extra.

## Flower Bed Guards.



All made up ready to use. The only guard of its kind. Can be shaped to any bed. Keeps out cats and dogs. Ends of wickets are forced in the ground, making it rigid. The handsomest and most durable guard made. Also used for Corners of Lawns and Cemetery Lots.

Heights, 16 and 22 inches.

16 inch, 10 cents per running foot.  
22-inch, 12 cents per running foot.

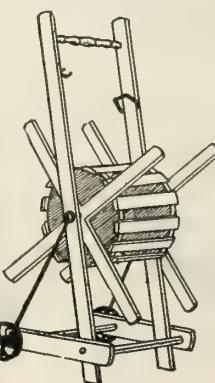
## Common Sense Hose Reel.

No kinks in the hose if you use this reel. Holds 100 feet.



Price,

\$1.85.



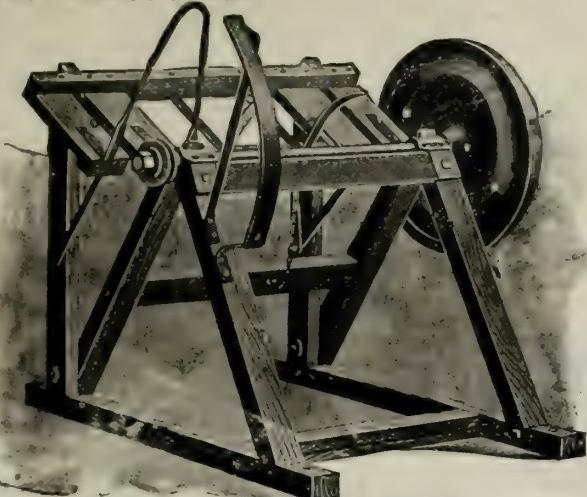
## ARCTIC LAWN SWING.

The Arctic Lawn Swing and Hammock with or without Awning.

As this affords a most comfortable lounging place you can think of. The backs of the chairs are adjustable and can be set up straight or inclined at as great an angle as you wish. Price, with awning, \$7.00, without a wing, \$6.00. If not set up, 50 cts. less.



**Ross Wood and Pole Saws.** All wood saws are made to drop the wood on the right hand side, unless otherwise ordered. We carry only the best selling size in stock; other sizes will be shipped from the factory. Discount on sizes in stock, 40 per cent; when shipped from factory, 40 and 5 per cent. The extra 5 per cent, will nearly pay freight.

**TILTING TABLE WOOD SAW.**

The above will give you an excellent idea of the high type of these saws. They are made of good material throughout, and are built in a thoroughly workmanlike manner in every respect. The arbors are of steel, the bearings long and well babbited. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner. It has a tilting table pivoted so that it balances perfectly, and is therefore a great favorite with the sawyer.

Prices, Tilting Table Wood Saws: 20 in. \$40.00; 22 in. \$42.50; 24 in. \$45.00; 26 in. \$47.50; 28 in. \$50.00. Discount 40 per cent.; 5 per cent. cash with order.

Prices, Tilting Table Pole Saws: 20 in. \$47.50; 22 in. \$50.00; 24 in. \$52.50; 26 in. \$55.00; 28 in. \$57.50. Discount 40 per cent.; 5 per cent. cash with order.

Ask for price on sliding table saws.

**Goshen Round and Square End Steel Tacks.**

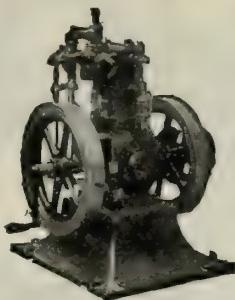
FOR STOCK OR TOWERS.

SEND FOR COMPLETE PRICE LIST.

Goshen Tanks are made of No. 20 Galvanized Steel. The workmanship is first-class in every way. The measurements are outside. Covers can be furnished at about 20 cents per square foot. There are so many sizes made, and as all tanks are shipped set up, we do not carry all sizes in stock, but can guarantee prompt shipment from factory, and we offer a liberal discount which will cover freight charges to nearly any freight station east of the Mississippi River. We can also furnish any size or style of tank either set up or flat. Send for complete list with discount.

**Round End Stock Watering and Storage Tanks.**

| No. | Width. | Height. | Length. | Capacity. | Price.  |
|-----|--------|---------|---------|-----------|---------|
| 101 | 2 ft.  | 2 ft.   | 4 ft.   | 3½ bbls.  | \$ 7.00 |
| 102 | 2 ft.  | 2 ft.   | 5 ft.   | 4¾ bbls.  | 8.70    |
| 103 | 2 ft.  | 2 ft.   | 6 ft.   | 5½ bbls.  | 10.25   |
| 104 | 2 ft.  | 2 ft.   | 7 ft.   | 6½ bbls.  | 11.25   |
| 105 | 2 ft.  | 2 ft.   | 8 ft.   | 7½ bbls.  | 12.25   |
| 106 | 2 ft.  | 2 ft.   | 10 ft.  | 9½ bbls.  | 15.00   |
| 107 | 2 ft.  | 2½ ft.  | 8 ft.   | 9½ bbls.  | 14.00   |
| 108 | 2½ ft. | 2 ft.   | 8 ft.   | 9½ bbls.  | 13.00   |
| 109 | 2½ ft. | 2 ft.   | 10 ft.  | 12 bbls.  | 16.80   |
| 110 | 2½ ft. | 2½ ft.  | 8 ft.   | 12 bbls.  | 15.00   |
| 111 | 3 ft.  | 2 ft.   | 8 ft.   | 11½ bbls. | 14.00   |
| 112 | 3 ft.  | 2 ft.   | 10 ft.  | 14 bbls.  | 17.50   |
| 113 | 3 ft.  | 2½ ft.  | 8 ft.   | 14 bbls.  | 16.00   |
| 114 | 3 ft.  | 2½ ft.  | 10 ft.  | 18 bbls.  | 20.00   |
| 115 | 3 ft.  | 3 ft.   | 10 ft.  | 21 bbls.  | 23.75   |
| 116 | 4 ft.  | 2 ft.   | 8 ft.   | 15 bbls.  | 18.00   |
| 117 | 4 ft.  | 2 ft.   | 10 ft.  | 19 bbls.  | 21.50   |
| 118 | 4 ft.  | 2 ft.   | 12 ft.  | 22 bbls.  | 25.75   |
| 119 | 4 ft.  | 2 ft.   | 14 ft.  | 26 bbls.  | 29.50   |
| 120 | 4 ft.  | 2 ft.   | 16 ft.  | 30 bbls.  | 34.00   |
| 121 | 4 ft.  | 2½ ft.  | 8 ft.   | 17 bbls.  | 20.00   |
| 122 | 4 ft.  | 2½ ft.  | 10 ft.  | 24 bbls.  | 24.00   |
| 123 | 4 ft.  | 2½ ft.  | 16 ft.  | 38 bbls.  | 38.00   |

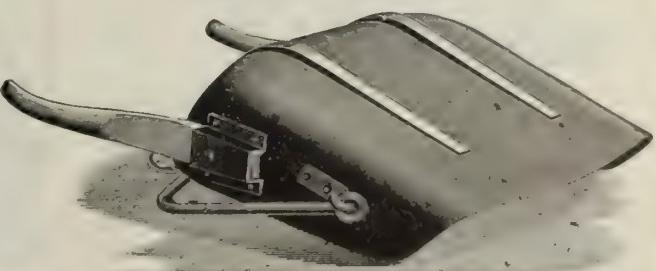
**Greendale Gasolene Engine**

Since Gas Engines have been on the market we have been looking for one that we could recommend with perfect confidence to our customers as being a first-class machine. The Greendale is made here in Worcester and the manufacturers are thoroughly reliable parties, and it has been tested by several of our leading farmers in this country. It may be economy in some lines of tools and under certain circumstances to buy cheap or low priced goods, but on an engine the best is none to good. Where your life is endangered, never take any chances by buying simply because you can save a few dollars. You may be able to save \$50.00 or \$75.00 in buying some other make, but it is liable to prove expensive and perhaps dangerous in the end.

This engine has the simplest and most effective self starter of any Gasolene Engine made. It starts instantly without any exertion on the part of the operator. No mechanical parts to wear out and always ready for use. It also has an automatic friction pulley very simply and substantially made. With this pulley, the engine is free to start, but takes up the load gradually. List price, 3½ horse-power, \$175, discount for cash, \$17.50; 5 horse \$250, discount for cash, \$25; 7 horse, list \$300, or discount for cash, \$30; 15 horse, \$445, discount for cash \$45. At these prices we furnish a man to set up and start.

**TUBULAR STEEL BARROW. THREE CUBIC FEET.**

Tubular Steel Barrow with Pressed Steel Bowl. Each, \$5.

**Boss Steel Scraper, with Runners.****PRESSED STEEL BOWL.**

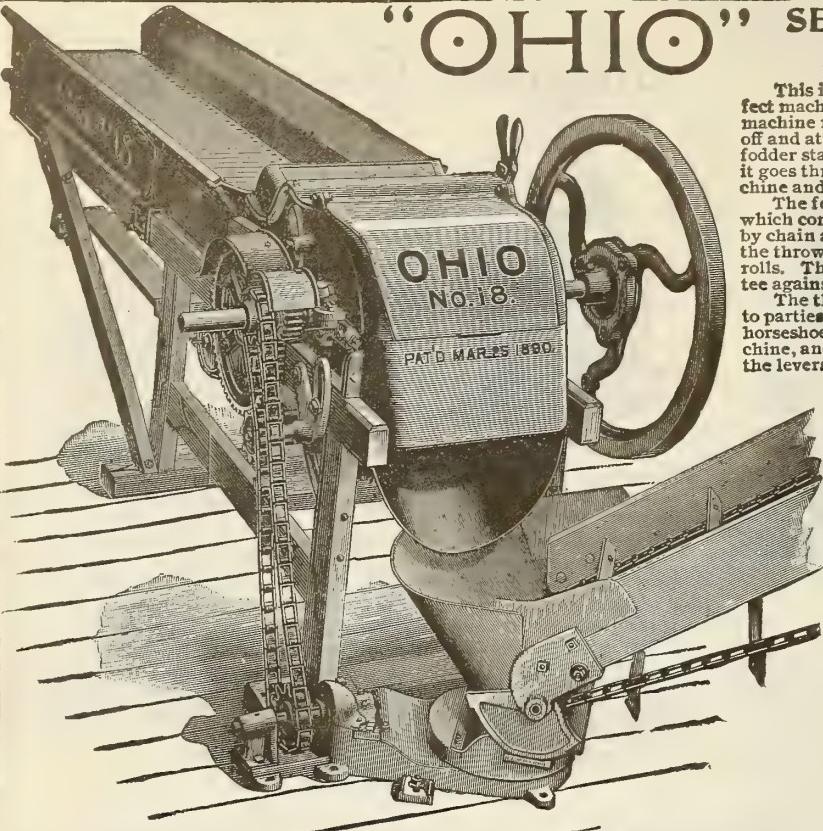
|                                 |         |
|---------------------------------|---------|
| No. 0. carries 10 feet of earth | \$11.00 |
| No. 1, " 7 "                    | 7.00    |
| No. 2, " 5 "                    | 6.50    |
| No. 3, " 3 "                    | 6.00    |
| No. 0. Riveted Bowl             | 10.00   |

# "OHIO" SELF-FEED ENSILAGE CUTTER, AND NEW METAL STRIP SWIVEL CARRIER.

This is the "Ohio" Ensilage cutter with travelling feed table. It is a perfect machine for cutting ensilage and dry feed. Cutting ensilage with this machine requires one man to throw off the wagon, one man to help throw off and attend to the machine. One or two men constantly pushing to get the fodder started is not necessary. The only point is to get it to the machine—it goes through itself. It will cut 33½ per cent. more than the regular machine and saves 75 per cent. of the feeder's time and labor.

The feed table is supplied with a continuous travelling chain or belt apron which converts the machine into a self-feeder. The travelling apron is driven by chain and sprocket wheels and is under control of the feeder by means of the throw-out lever located just in the rear of the lever that controls the feed rolls. The apron travels on five pairs of sprocket wheels, which is a guarantee against wear.

The throw-out levers are strong points of advantage, as it is well known to parties familiar in the use of such machines, that occasionally a pitchfork, horseshoe, or some other foreign substance mysteriously strays into the machine, and about the time it reaches the knives the feeder has only to catch the levers and throw the feed out.



#### SIZES AND PRICES.

| No. | Number Knives, | Lengths | Capacity En-     | Power to Run | Misc.        |          |
|-----|----------------|---------|------------------|--------------|--------------|----------|
|     | Inches.        | of cut, | silage per       | Hour, Tons.  | Horse Power. |          |
| 12  | 4              | 13      | 1/4, 1/2, 3/4, 1 | 5 to 8       | 4 to 6       | \$ 95.00 |
| 15  | 4              | 16      | 1/4, 1/2, 3/4, 1 | 6 to 10      | 6 to 8       | 120.00   |
| 18  | 4              | 18      | 1/4, 1/2, 3/4, 1 | 10 to 13     | 6 to 10      | 135.00   |
| 20  | 4              | 20      | 1/4, 1/2, 3/4, 1 | 15 to 20     | 8 to 12      | 150.00   |
| 24  | 4              | 24      | 1/4, 1/2, 3/4, 1 | 20 to 25     | 10 to 12     | 180.00   |

#### NEW METAL-STRIP SWIVEL CARRIERS.

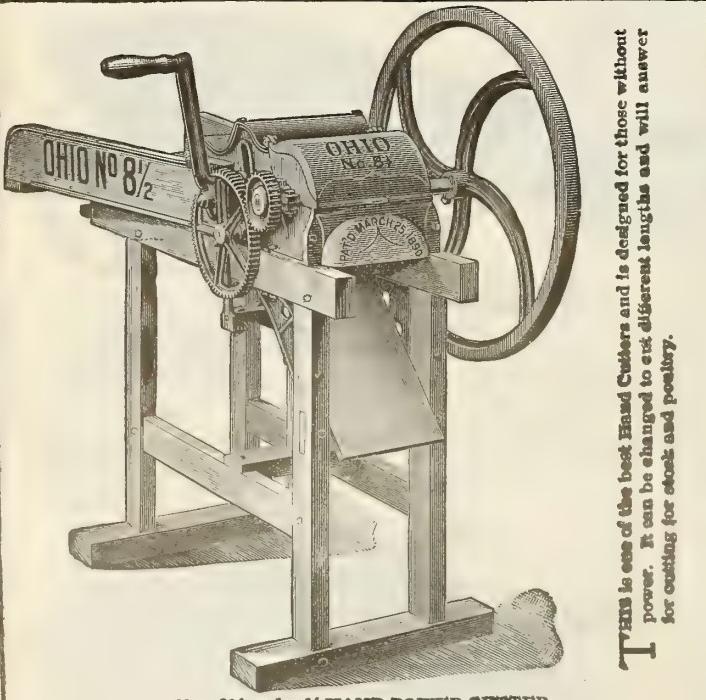
#### SIZES AND PRICES.

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| No. 13 Cutter, 12 ft. long, \$45.00 | Over 12 ft. long, extra per ft., \$1.75 |
| No. 16 Cutter, 12 ft. long, 45.00   | Over 12 ft. long, extra per ft., 1.70   |
| No. 18 Cutter, 12 ft. long, 45.00   | Over 12 ft. long, extra per ft., 1.70   |

We also carry in stock the No. 11 and No. 13 Cutters with Standard table. These are both Power Cutters and are equal in every way to the above only they do not have the travelling table but list at a much lower price.

No. 11 Cutter, 4 knife. List, \$45.00

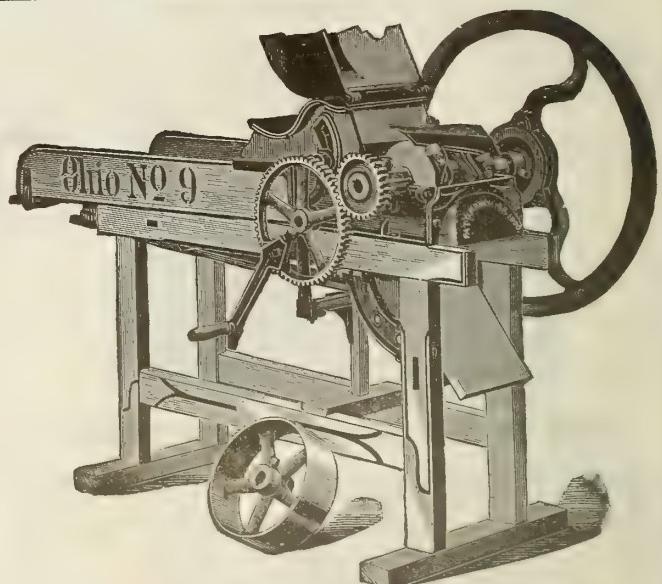
No. 13 Cutter, 4 knife. List, 65.00



Nos. 8½ and 10½ HAND POWER CUTTER.  
SIZES AND PRICES.

This is one of the best Hand Cutters and is designed for those without power. It can be changed to cut different lengths and will answer for cutting for stock and poultry.

| No. | Length of Knives, Inches | Number of Knives | Lengths of Cut, Inches | Price   |
|-----|--------------------------|------------------|------------------------|---------|
| 8½  | 8½                       | 1                | 1/2, 3/4, 1 1/2        | \$18.00 |
| 8½  | 8½                       | 2                | 1/2, 3/4, 3/4          | 20.00   |
| 10½ | 10½                      | 1                | 1/2, 3/4, 1 1/2        | 23.00   |
| 10½ | 10½                      | 2                | 1/2, 3/4, 3/4          | 25.00   |



No. 9 HAND OR POWER CUTTER.

THIS is a medium size cutter adapted for farmers having a large herd to cut food for and can be run by hand to good advantage when for any reason they do not want to get up steam. It is our best seller for hand work.

#### SIZES AND PRICES.

|                                                                                                        |       |
|--------------------------------------------------------------------------------------------------------|-------|
| No. 9. With safety fly wheel and pulley, two knives.....                                               | 35.00 |
| No. 9. With safety fly wheel and pulley, four knives.....                                              | 40.00 |
| When furnished with extended knife shaft to place fly wheel or pulley on either side, extra, list..... | 2.00  |

Ask for Catalogue and Price.

# The Harder Silo

Harder silo is the easiest one to erect of any; we furnish full instructions, to put them together. Even men with no experience whatever of carpenter work can erect one of these silos without any difficulty. The best time to order a silo is just as soon as you get this catalogue, for early orders can always be depended on, and by getting your order in early you have the goods in season and can get it set up at your convenience. One of the principal features of the Harder silo is the malleable

## Iron Ladder

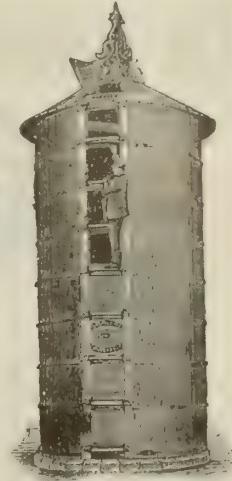
This ladder is made of very heavy iron girders (see illustration) which projects about eight inches away from the front of the silo, affording ample room for a secure footing. There is a small flange on the outer edge of the girder which makes it next to impossible to slip, even in wet or icy weather. The bridge, which projects from the main part of the girder and thus gives added strength, forms what is called the "round" in an ordinary ladder.



A SILO WITH A LADDER.

## 1907. Price List of Harder Silos. Complete except Roof

READY FOR SETTING UP AND FILLING. F. O. B. CARS, COBLESKILL, N. Y.



| Diameter | Height | HARDER PATENT AND FEARLESS |        |               | EMPIRE     |         |               |            |
|----------|--------|----------------------------|--------|---------------|------------|---------|---------------|------------|
|          |        | Tons Capacity              | Weight | White Hemlock | White Pine | Cypress | White Hemlock | White Pine |
| 14 x 25  | 70     | 5200                       | \$189  | \$199         | \$267      | \$173   | \$183         | \$252      |
| 16 x 25  | 91     | 5950                       | 209    | 220           | 299        | 192     | 205           | 283        |
| 10 x 26  | 38     | 3900                       | 145    | 154           | 201        | 129     | 138           | 185        |
| 12 x 26  | 55     | 4550                       | 169    | 178           | 238        | 152     | 161           | 222        |
| 13 x 26  | 64     | 5050                       | 181    | 191           | 257        | 164     | 175           | 241        |
| 14 x 26  | 74     | 5500                       | 196    | 206           | 279        | 179     | 190           | 262        |
| 15 x 26  | 85     | 5800                       | 206    | 217           | 295        | 188     | 200           | 277        |
| 16 x 26  | 97     | 6200                       | 218    | 230           | 313        | 199     | 211           | 295        |
| 18 x 26  | 120    | 6900                       | 243    | 254           | 346        | 224     | 235           | 328        |
| 10 x 28  | 42     | 4250                       | 158    | 167           | 217        | 138     | 148           | 198        |
| 12 x 28  | 61     | 5000                       | 184    | 193           | 256        | 164     | 174           | 237        |
| 14 x 28  | 83     | 5800                       | 213    | 223           | 298        | 193     | 205           | 279        |
| 16 x 28  | 108    | 6600                       | 239    | 251           | 336        | 218     | 231           | 315        |
| 18 x 28  | 137    | 7500                       | 266    | 278           | 375        | 244     | 257           | 354        |
| 10 x 30  | 47     | 4600                       | 171    | 180           | 234        | 148     | 159           | 213        |
| 12 x 30  | 68     | 5350                       | 196    | 207           | 275        | 174     | 185           | 254        |
| 13 x 30  | 80     | 5900                       | 212    | 223           | 297        | 190     | 202           | 276        |
| 14 x 30  | 93     | 6300                       | 231    | 242           | 322        | 209     | 221           | 301        |
| 15 x 30  | 105    | 6750                       | 246    | 257           | 312        | 221     | 236           | 320        |
| 16 x 30  | 119    | 7200                       | 261    | 272           | 362        | 238     | 250           | 340        |
| 18 x 30  | 151    | 8100                       | 287    | 301           | 402        | 264     | 279           | 380        |
| 20 x 30  | 189    | 9050                       | 315    | 331           | 443        | 290     | 308           | 420        |
| 10 x 32  | 51     | 4900                       | 185    | 194           | 252        | 163     | 173           | 229        |
| 12 x 32  | 73     | 5750                       | 210    | 221           | 294        | 190     | 200           | 272        |
| 14 x 32  | 101    | 6700                       | 246    | 258           | 345        | 224     | 236           | 323        |
| 16 x 32  | 131    | 7650                       | 274    | 287           | 387        | 250     | 264           | 363        |
| 18 x 32  | 166    | 8650                       | 305    | 320           | 429        | 280     | 296           | 405        |
| 20 x 32  | 205    | 9700                       | 335    | 352           | 471        | 310     | 327           | 445        |
| 16 x 34  | 139    | 8250                       | 295    | 312           | 409        | 271     | 288           | 385        |
| 18 x 34  | 176    | 9200                       | 330    | 348           | 456        | 303     | 322           | 431        |
| 20 x 34  | 218    | 10450                      | 360    | 380           | 503        | 334     | 354           | 477        |
| 16 x 36  | 150    | 8700                       | 315    | 331           | 439        | 288     | 304           | 412        |
| 18 x 36  | 190    | 9850                       | 348    | 368           | 487        | 320     | 340           | 461        |
| 20 x 36  | 234    | 10900                      | 381    | 403           | 535        | 353     | 377           | 508        |

## Roofs for Harder Silos.



### Conical Roofs, made of White Pine.

| Diam. of silo. | Price.  |
|----------------|---------|
| 10 feet .....  | \$37.50 |
| 11 "           | 40.00   |
| 12 "           | 42.00   |
| 13 "           | 44.50   |
| 14 "           | 46.00   |
| 15 "           | 48.00   |
| 16 "           | 51.50   |
| 17 "           | 64.00   |
| 18 "           | 75.00   |



### Metal Roofs, made of Galvanized Sheet Steel.

| Diam. of silo. | Price.  |
|----------------|---------|
| 10 feet .....  | \$28.00 |
| 11 "           | 30.00   |
| 12 "           | 32.00   |
| 13 "           | 34.00   |
| 14 "           | 37.00   |
| 15 "           | 40.00   |
| 16 "           | 44.00   |
| 17 "           | 50.00   |
| 18 "           | 58.00   |

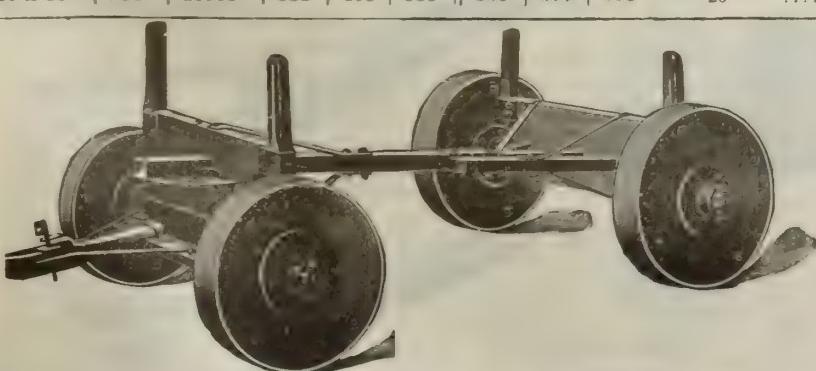
## No. 9 HANDY WAGON.

Two-horse, short turn style; wheels turn under load. Standard track—narrow, 4 feet 8 inches wide; wide, 5 feet center to center of tires on ground. Bolsters, 3½ inches between stakes on narrow track; 42 inches on wide track. Prices include pole and wrench only.

| Catalog No. | Wheels. Front. | Wheels. Rear. | Size. Tires. | Size. Skein. | Size. Axle. | Capacity. | List Price. |
|-------------|----------------|---------------|--------------|--------------|-------------|-----------|-------------|
| 101         | 24"            | 28"           | 6            | 3½x7         | 3x4½        | 4000      | \$34.00     |
| 102         | 26"            | 30"           | 6            | 3½x7         | 3x4½        | 4000      | 36.00       |
| 103         | 28"            | 32"           | 6            | 3½x7         | 3x4½        | 4000      | 42.00       |

Write for Special Circulars.

Body can be made by any carpenter and this makes the best farm rig obtainable.



This Style Especially Designed for Logging. Complete Catalog will be Mailed Showing Other Styles and Sizes.

# The Majestic Rotary Washers



This is, without doubt, the lightest running washing machine on the market. The ball bearings and balance fly wheel almost make it run itself. The tub is made of well seasoned Virginia white cedar with a flat hoop at the top and electric welded wire hoops in the middle and at the bottom sunk in a groove so that they cannot come off. There is nothing on the inside to catch and tear the clothes. This is a household necessity.

**PRICE, \$7.00.**

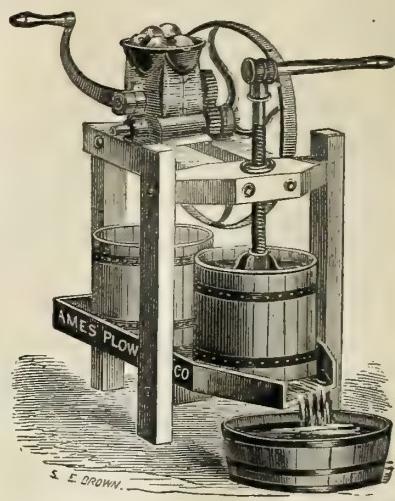
Discount for cash, 50c.

# National Cider Mill. FAMILY SIZE.

This mill is especially adapted for family use, being light, strong and convenient. It is exactly the same in principle as the farmers' mill shown below, only of smaller size and sold at a less price. This mill will pay for itself in one season by gathering the windfalls and making them into cider for vinegar and for the market; this is just the size for that purpose.

List Net  
Price. Price.

Two Curbs, \$20.00 \$17.00



## ECONOMY BOILERS.



No Farmer can afford to be without a farm boiler or large kettle of some kind. The Economy, shown in cut, is the cheapest of any on the market. For out-door use only as it has no grate.

### PRICES.

33 Gal. list \$14.00 net cash price \$9.75; 48 Gal. list \$16.00 net cash price \$11.50  
65 Gal. list \$20.00 net cash price \$14.50  
Other sizes furnished if desired.



## "Granite State" Water Heater.

### For Butchers and Milkmen.

Boilers of galvanized steel; furnace of gray iron castings and sheet steel; sides of double thickness of steel with hot air space between.

### PRICES.

25 gal. \$15.00; 30 gal. \$16.50; 40 gal. \$19.50; 50 gal. \$21.00; 65 gal. \$22.50;  
75 gal. \$24.00; 100 gal. \$27.00.

Discount for cash, 10 per cent.

## PECKHAM CALDRONS.



An Indispensable Article on any Farm. Seven sizes.

| STYLE.                    | 15 Gal. | 22 Gal. | 30 Gal. | 45 Gal. | 60 Gal. | 90 Gal. | 120 Gal. |
|---------------------------|---------|---------|---------|---------|---------|---------|----------|
| Furnace and Caldron, wood | \$12.25 | \$15.25 | \$18.75 | \$21.75 | \$25.00 | \$44.00 | \$57.50  |
| Caldron .....             | 3.50    | 4.50    | 5.25    | 7.00    | 8.00    | 15.00   | 21.50    |
| Cover, extra .....        | 1.25    | 1.75    | 2.00    | 2.25    | 2.50    | 4.00    | 5.50     |

## Shovels Following are all Ames' Make.



|                                     | Each.  | Doz.    |
|-------------------------------------|--------|---------|
| No. 2, Ames' Special, D. H., square | \$1.15 | \$12.00 |
| No. 2, Ames' Special, D. H., round, | 1.15   | 12.50   |
| No. 2, Our Best, D. H., square,     | .90    | 8.00    |
| No. 2, Our Best, D. H., round,      | .90    | 8.25    |
| No. 3, Our Best, D. H., square,     | .95    | 8.25    |
| No. 3, Our Best, D. H., round.      | .95    | 8.50    |

|                                            | Each. | Doz.   |
|--------------------------------------------|-------|--------|
| No. 2, Sunnyside, D. H., square,           | \$.80 | \$7.50 |
| No. 2, Sunnyside, D. H., round,            | .85   | 7.75   |
| No. 3, 4, 5 and 6, add 5 cents each.       |       |        |
| No. 2, Champion Strapped Back, D. H., sq., | .65   | 7.00   |
| No. 2, Champion Strapped Back, D. H. r'nd, | .65   | 7.00   |
| Black finish 25 cts. per doz. less.        |       |        |

## CONTRACTORS' PLOWS.

Road Plow, No. 99.



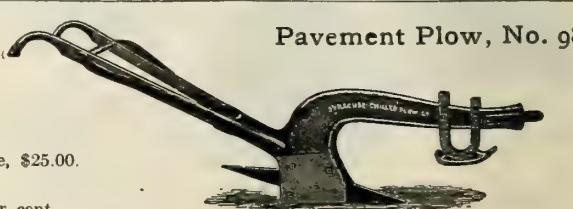
List price,  
\$30.00.

Discount,  
20 per cent.

List price, \$25.00.

Discount,  
20 per cent.

Pavement Plow, No. 98.



## The De Laval "Baby" Cream Separator and other Dairy Goods.

Used by all the Leading Agricultural Colleges and Experiment Stations.

and mounted upon a frame provided with a suitable gearing to acquire a high speed with a minimum expenditure of operating power. The whole milk is fed into this bowl, the separation effected within it, and the cream and skim-milk are separately discharged from it, the discharge following within half a minute after the in-flow, while the machine may be used for a few minutes or as many hours—at a time—as may be necessary, according to the amount of work to be done.

### STYLES AND SIZES OF THE IMPROVED DE LAVAL CREAM SEPARATORS.

Improved No. 4  
Actual capacity 135 lbs. per hour . . . . . \$ 40.00

Improved No. 6  
Actual capacity 25 lbs. per hour . . . . . 50.00

Improved No. 10  
Actual capacity 355 lbs. per hour . . . . . 65.00

Improved No. 12  
Actual capacity 450 lbs. per hour . . . . . 75.00

Improved No. 16  
Actual capacity 675 lbs. per hour . . . . . 110.00

Improved No. 17  
Actual capacity 900 lbs. per hour . . . . . 100.00

Improved No. 19  
Steam Turbine  
Actual capacity 675 lbs. per hour . . . . . 125.00

Improved No. 20  
Steam Turbine  
Actual capacity 900 lbs. per hour . . . . . 125.00

5% discount for cash with order.

Send for complete catalogue



## The Health Milk Bottle Caps.



OPEN.

All caps, other than the Health Cap, must be removed with a fork, knife or some sharp instrument.

They cannot be removed with the thumb and finger. When once released the old-style cap is almost invariably thrown away, leaving the contents of the bottle exposed to odors, and in no way features of an open receptacle. It costs no more than the ordinary cap. It will fit any standard milk bottle. It makes sealing and opening of bottles easy. Bottles can be kept sealed at all times. Keeps milk free from all odors. It is the most convenient cap on the market.

No knife or fork is needed to remove the Health Cap.

Price per 1000, 25 cents; 5000, 30 cents;

16,000, 25 cents.

Common Round Caps, 1000, 30 cts.; 5000, 25 cts.

## The Stoddard Churn.



The Stoddard Churn is made by hand in the most thorough manner and of kiln-dried white oak. It will last for years. The principle is concussion, not friction—has no float nor paddle inside. It is easily operated, easily cleaned.

### Prices—Dairy Size.

|                          | Disc't  | List for<br>Price Cash | Dairy Scale | Graduated in 1 oz., weighs 30 lbs. |
|--------------------------|---------|------------------------|-------------|------------------------------------|
| No. 1 ten gallons,       | \$10.00 | \$1.00                 |             |                                    |
| No. 2 fifteen gallons,   | 11.00   | 1.00                   |             |                                    |
| No. 3 twenty gallons,    | 12.00   | 1.25                   |             |                                    |
| No. 4 twenty-five gal's. | 16.00   | 1.50                   |             |                                    |
| No. 5 thirty-five gal's. | 18.00   | 1.75                   |             |                                    |
| No. 5½ forty-five gal's. | 22.00   | 2.00                   |             |                                    |
| No. 6 sixty gallons,     | 26.00   | 2.50                   |             |                                    |

## The R. B. Milk Bottle.

This bottle is a great improvement over any other style of bottle made, from the fact that it has no corner for the dirt to stick in. The bottom inside being made round, it cleans very easily. We have them made expressly for us, and every bottle is extra quality glass, and stamped on the side "This bottle to be washed and returned."

### PRICES.

|                     |         |                    |
|---------------------|---------|--------------------|
| Two Quarts, per doz | \$1.50; | per gross, \$16.00 |
| One " "             | .70;    | " 7.50             |
| Pint, " "           | .60;    | " 6.00             |
| One-half Pint "     | .50;    | " 5.00             |

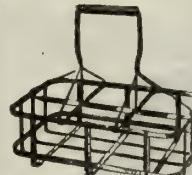
## Wire Bottle Carrier. Flat Wire Bottle Carrier.



6 1-qt. Bottle Carrier, 75c.

4 1-qt., 2 pt. Bottle Carrier, 75c.

4 1-qt. Bottle Carrier, 60c.



NEW STYLE AN IMPROVEMENT.



6 1-qt. Bottle Carrier, 75c.

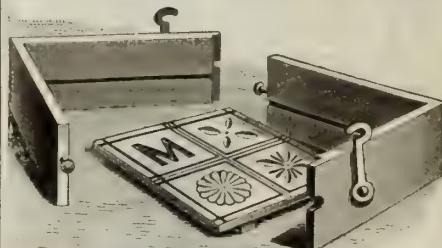
## Combination Butter Print.



The cut shown represents No. 6 Print.

| No. | Capacity<br>of each im-<br>pression. | Capacity<br>at Moulds<br>Pr't. | Dimensions<br>in<br>Pounds. | Dimensions<br>of each<br>Cake in<br>Mould in<br>Ounces. | Dimensions<br>in<br>each<br>Cake. | Price. |
|-----|--------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------|-----------------------------------|--------|
| 1   | 3                                    | 1½                             | 8                           | 10 x 3½                                                 | 3½ x 3½                           | \$3.50 |
| 2   | 4                                    | 2                              | 8                           | 11 x 3½                                                 | 3½ x 3½                           | 3.75   |
| 3   | 4                                    | 2                              | 8                           | 12 x 3                                                  | 3 x 3                             | 3.75   |
| 4   | 4                                    | 1                              | 4                           | 4½ x 5                                                  | 2½ x 2½                           | 3.50   |
| 5   | 4                                    | 1                              | 4                           | 10 x 2½                                                 | 2½ x 2½                           | 3.75   |
| 6   | 8                                    | 2                              | 4                           | 10 x 4½                                                 | 2½ x 2½                           | 4.50   |
|     | 6                                    | 1½                             | 4                           | 10 x 3½                                                 | 3½ x 1½                           | 4.25   |

## Blanchard Butter Mould.



Same size as No. 4 Combination.

Initial engraved 25 cents extra.

### PRICES:

|              |       |
|--------------|-------|
| One-half lb. | \$.80 |
| One lb.      | 1.00  |
| Two lbs.     | 1.25  |

## The Hero Barrel Churn



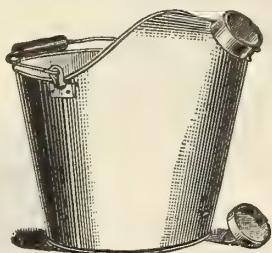
Made especially for dairymen. Has adjustment for taking out weight of pail. Price \$3.50.

| List Price.        | Net Price.    |
|--------------------|---------------|
| No. 0, 6 gallons,  | \$8.00 \$4.00 |
| No. 1, 10 gallons, | 8.50 4.50     |
| No. 2, 15 gallons, | 9.00 5.00     |
| No. 3, 20 gallons, | 10.00 5.50    |
| No. 4, 25 gallons, | 12.00 6.00    |
| No. 5, 35 gallons, | 16.00 8.00    |
| No. 6, 45 gallons, | 23.00 11.50   |
| No. 7, 60 gallons, | 25.00 13.00   |

This Churn is made of the best oak timber, has patent adjusting fastener for cover.



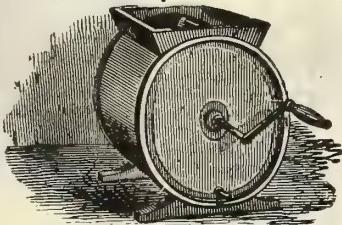
## Common Sense Milk Pail.



This pail is made of extra heavy tin. The strainer can be removed to clean or repair, and it is the best pail for all purposes made.

Price, \$1.25.

## Varnished Cylinder Churns.



Designed for those having a small dairy.  
No. 1. List price, \$2.50 Discount for cash, \$.50  
No. 2. List price, 3.00 " " .50  
No. 3. List price, 3.50 " " .50  
No. 4. List price, 4.00 " " 1.00  
Cedar, same as above, 25 cents extra. They are well worth the difference.

## Farmers' Scales.



We offer for the use of farmers and dairymen and housekeepers, a convenient and low-priced scale, warranted accurate, weighing from  $\frac{1}{2}$  oz. to 240 pounds. Single Beam, \$4.00; Double Beam, \$4.50.

## Fairbanks' Dairy Scales.

Indispensable for the dairy; has porcelain top; weighs from  $\frac{1}{4}$  oz. to 25 pounds.

Net Price, \$9.00.

## THE DAVIS SWING CHURN.

The principle governing the process of butter-making in the Davis Swing Churn is that the particles of cream come in contact with each other only, and are not unduly beaten by floats.

### Price List—Complete, with Folding Frame, as shown.

This is the regular frame, and is always sent unless specially ordered otherwise.

Extra for Tilting Frame, \$1.00.

| Size.  | Will Churn.     | Wgt. lbs. | Price.  |
|--------|-----------------|-----------|---------|
| No. 1. | 4 gal. or less. | .55       | \$ 7.00 |
| No. 2. | "               | .59       | 8.00    |
| No. 3. | .88             | .73       | 10.00   |
| No. 4. | 10 "            | .85       | 12.00   |
| No. 5. | 13 "            | .98       | 15.00   |
| No. 6. | 17 "            | 1.12      | 18.00   |
| No. 7. | 30 "            | 2.58      | 25.00   |
| No. 8. | 40 "            | 2.75      | 30.00   |
| No. 9. | 50 "            | 3.45      | 35.00   |

## The Gem Combination Milk Bucket.

### With Removable Strainer.

It has no equal in its simplicity. Made of the best IX Tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose. The Strainer is constructed of Steel, with Fine Brass Wire Cloth, and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place.

### PRICES.

10 Quarts, each, 60c. 12 Quarts, each, 70c.  
14 Quarts, each, 80c.



## The GURLER Milk Pail.



Strictly  
Sanitary  
Simple—Practical

The accompanying cut gives you a good idea of the Gurler Sanitary Milk Pail.

The milk passes into the pail through a strainer of sterilized gauze and absorbent cotton, thus preventing dirt or any particle from dropping into the milk. It purifies the milk and betters its keeping qualities, which contributes to the success of anybody interested in the handling of milk. We recommend this pail to all progressive dairymen. Made in one size (12 qt.) Price, \$2.00. Gauze and Cotton extra, 50 cents.

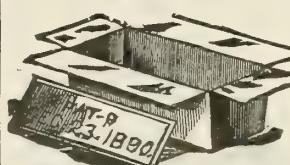
## The Blanchard Churn.



Has retained its reputation for over twenty years as being the best revolving dash churn made for ease of operation and superior butter-making qualities. Factory sizes quoted on application.

|                             |                               |
|-----------------------------|-------------------------------|
| No. 3. Churns 2 gal. \$6.00 | No. 6. Churns 12 gal. \$10.00 |
| No. 4. Churns 4 gal. 7.00   | No. 7. Churns 16 gal. 12.00   |
| No. 5. Churns 8 gal. 8.00   |                               |

## Butter Boxes.



and 75 cts. for the ten pound.

The Dumas square box holds five pounds; the only box that butter can be turned out of and left in good shape. Price, per dozen, all papered, 75 cts. We also have the five and ten pound boxes at 60 cts. per dozen for five pound,

## The Ideal Milk Cooler.

The Ideal Milk Cooler and Aerator does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

No. 2. Suitable for 10 to 15 cows. List price, \$6.00  
No. 3. " 25 to 40 cows. " " 7.00  
Discount for cash, \$1.00.



## The Blanchard Print Butter Carrier.



This Carrier is designed for use of dairymen who deliver their butter direct to the consumer. They are also used in shipping butter by express. Trays are made to fit butter moulded in the Blanchard or Combination No. 6 Moulds. They are well made and very strongly iron bound. PRICES.—16 lb., each, \$2.10; 24 lb., each, \$2.35; 32 lb., each, \$2.60; 40 lb., each, \$2.85 Fitted with Ice Box, 75 cents extra.

## THE DAVIS SWING CHURN.

The principle governing the process of butter-making in the Davis Swing Churn is that the particles of cream come in contact with each other only, and are not unduly beaten by floats.

### Price List—Complete, with Folding Frame, as shown.

This is the regular frame, and is always sent unless specially ordered otherwise.

Extra for Tilting Frame, \$1.00.

| Size.  | Will Churn.     | Wgt. lbs. | Price.  |
|--------|-----------------|-----------|---------|
| No. 1. | 4 gal. or less. | .55       | \$ 7.00 |
| No. 2. | "               | .59       | 8.00    |
| No. 3. | .88             | .73       | 10.00   |
| No. 4. | 10 "            | .85       | 12.00   |
| No. 5. | 13 "            | .98       | 15.00   |
| No. 6. | 17 "            | 1.12      | 18.00   |
| No. 7. | 30 "            | 2.58      | 25.00   |
| No. 8. | 40 "            | 2.75      | 30.00   |
| No. 9. | 50 "            | 3.45      | 35.00   |

## Waters Butter Worker.

The purpose of working butter is to free it from buttermilk and distribute the salt evenly through it. The Waters differs from most butter workers principally in the point that the tray, with the butter, moves under a stationary roller instead of the roller travelling over the butter in the tray.

| Capacity.                 | List Price. | Dis. for Cash. |
|---------------------------|-------------|----------------|
| No. 0. 1 lb. to 15 lbs.   | \$ 7.00     | \$ 1.00        |
| No. 1. 5 lbs. to 30 lbs.  | 8.00        | 1.00           |
| No. 2. 5 lbs. to 40 lbs.  | 9.00        | 1.25           |
| No. 3. 5 lbs. to 50 lbs.  | 10.00       | 1.50           |
| No. 4. 10 lbs. to 80 lbs. | 14.00       | 1.75           |



# Agricultural Tool Department.

## Syracuse Reversible Sulky Plow.

Steel Moldboards and Landslides.

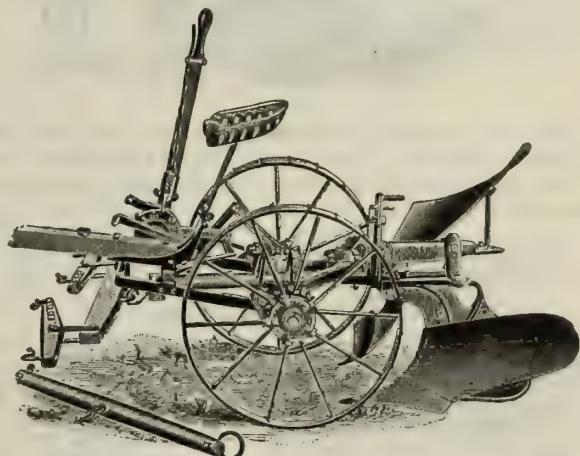


This is the lightest draft sulky plow on the market. Will plow on sidehill or level ground and leaves no dead furrows. We believe this is the only sulky that will do satisfactory work on all kinds of soil and on hill or level farms. As shown in cut two plows are used (one only being in use at a time). Throwing the plow in and out of the ground is done by the team while the operator has control of the width of furrow with his feet, leaving both hands free to handle the team. The wheels always stand perpendicular and the plows level. Several valuable improvements have been made since the plow was first placed on the market. Each plow cuts 11 to 16 in. wide. Weight of plow complete, 556 lbs. We furnish two sets of points and two-horse hitch with each plow.

List, \$45.00. Discount for cash, \$3.00.

Three-horse hitch in place of two-horse, \$2.00 extra.

## The National Reversible Sulky Plow.



This plow works equally well on sidehill or level land. As with the Syracuse, two plows are used, both fastened to one beam. The plows are thrown in and out of the ground with the foot, making it a very easy plow to operate. A boy 12 years old can handle it easily. There are few farms in New England where a Sulky plow cannot be used to a good advantage. Price includes extra set of points, neck-yoke and evener.

List price, \$45.00.

Discount for cash, \$2.00

## The Wachusett Swivel Plow.



This is our latest and, we believe, for all kinds of work, the best Swivel Plow on the market. Nearly all other plows on the market at the present time have some defects, and we have been studying for the past few years to overcome them as far as possible, and we think we have accomplished our object in this plow.

We can furnish either hardened or steel moldboards.

List price No. 2, \$11.00.

List price No. 3, \$11.00.

List price No. 12, 12.50.

List price No. 13, 12.50.

No. 2 and 3 Hardened, No. 12 and 13 Steel Moldboards.

Discount for cash, \$1.00.

## Diamond A, B and C Plows.

New Style with Steel or Chilled Moldboard.



Excepting the Wachusett this is one of our best swivel plows. It is furnished with steel or chilled moldboard, patent foot latch, wheel and cutter and shifting clevis. All parts interchange with the '76 plow made at Castleton, Vt.

A cuts 5 to 7 in., 11 to 14 in. wide; wt., 119 lbs. List price, \$13.00  
B cuts 4 to 6 in., 8 to 12 in. wide; wt., 114 lbs. List price, 12.00  
C cuts 3 to 5 in., 7 to 8 in. wide; wt., 71 lbs. List price, 8.50

A and B are two-horse; C one-horse. A and B have wheel and cutter. C has wheel. Disc. for cash on A and B, \$2.00; C, \$1.00. Steel Moldboard, \$1.50 extra.

**Syracuse No. 60 Plow,**

With Steel Cutter or Jointer, Steel or Chilled Moldboard.



This is our leading Steel Beam swivel plow and will work on level land or sidehill. It has a steel or chilled moldboard, patent foot latch and shifting clevis. Cuts 5 to 8 in. deep, 12 to 15 in wide; weight, 138 lbs.

List Price, Steel Moldboard, . . . . . \$16.50  
List Price, Cast Moldboard, . . . . . 15.50

Discount for cash, \$2.00.

**Syracuse No. 5 Vineyard Plow, One-horse**

This plow is designed for plowing between rows of trees or vines. The handles are adjustable sideways or up and down. The horse can walk in the furrow or on the land. It can also be used for garden plowing. Iron beam; cuts 3 to 5 in. deep, 7 to 10 in. wide; wt., 63 lbs.

List price, with wheel, \$7.75.

Discount for cash, 50c.

The Arlington Plow has become a favorite in many sections. They are made with steel shifting lever, clevis, patent spring foot latch. Moldboards are made of patent steamed metal, and all castings nicely polished. The beam and handles are made from selected stock, neatly striped and varnished.

**The Arlington Swivel Plow.****DESCRIPTION OF SIZES.**

No. 30 turns a furrow 13 to 16 in. wide, 6 to 8 in. deep.  
Weight, 135 lbs.  
No. 29 turns a furrow 12 to 14 in. wide, 5 to 7 in. deep.  
Weight, 123 lbs.  
No. 27 turns a furrow 8 to 11 in. wide, 4 to 6 in. deep.  
Weight, 85 lbs.

| No. | With Wheel. | Wheel and Cutter. | Wheel and Jointer. |
|-----|-------------|-------------------|--------------------|
| 30  | \$13.50     | \$15.00           | \$15.50            |
| 29  | 12.50       | 14.00             | 14.50              |
| 27  | 9.00        | 10.00             |                    |

Discount for cash, \$2.00 on Nos. 30 and 29; \$1.00 on No. 27.

**The Syracuse Plow****NO. 812.**

This is the latest number in the Syracuse line, and we believe the best one. The leading feature is the shifting handles, which enables the operator to walk directly behind the plow. It has a steel truss beam, automatic jointer or cutter and shifting clevis, adjustable wheel, inclining forward or back.

List price, with chilled moldboard, wheel and cutter or jointer, \$16.00 Discount for cash, \$2.00.

**Syracuse No. 31 and No. 32 Two-horse Landslide Plows.**

These plows have steel moldboards and wheels, straight cutters or jointers. No. 32 is the same plow used on the double sulky with the addition of a pair of handles, and no better plow was ever made.

No. 32 cuts 5 to 7½ in. deep, 10 to 13 in. wide; weight, 103 lbs.  
List Price, \$15.50.

No. 31 cuts 5 to 8 in. deep, 12 to 15 in. wide; weight, 108 lbs.  
List Price, \$16.00.

Discount for cash from either of the above, \$3.00.

**Doe Cast Iron Plow.**

A good general purpose plow, designed for all kinds of garden work. Wood beam, cast moldboard and point.

**Plain Wheel**

|                         |         |         |
|-------------------------|---------|---------|
| E 0 Medium one-horse,   | \$ 5.00 | and     |
| E 1 Large one-horse,    | 6.00    | Cutter. |
| E 2 Light two-horse,    | 7.00    |         |
| E 3 Medium two horse,   | 8.00    | \$10.75 |
| E 4 Two or three-horse, | 10.00   | 12.75   |

Discount for cash, 50 cents.

**Oliver Pattern****Chilled Plow.**

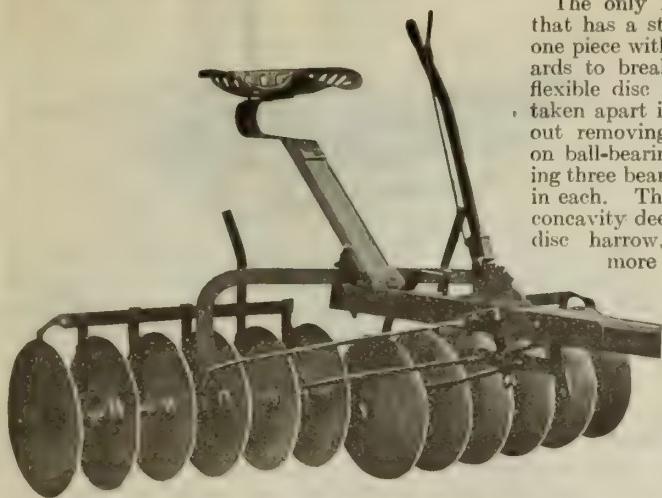
All parts interchange with the Oliver. This plow has a chilled moldboard, extra high standard, which prevents clogging in weeds or trash. It is our best one-horse landside plow.

| Number. | Description.      | List Price. |
|---------|-------------------|-------------|
| No. A.  | Light one-horse,  | \$4.50      |
| No. B.  | Medium one-horse, | 6.00        |
| No. 10. | Large one-horse,  | 7.00        |

Discount for cash, 50 cents.

The above prices are without wheel. If wheel is wanted, add \$1.00 net to above prices.

## THE ELDRIDGE FLEXIBLE STEEL DISC HARROW.



The only Disc Harrow made that has a steel frame made in one piece with no castiron standards to break. It is a perfect flexible disc harrow and can be taken apart in one minute without removing a bolt. It runs on ball-bearings, each gang having three bearings with nine balls in each. The discs have special concavity deeper than any other disc harrow, which allows it more cutting capacity than any other make with discs at the same angle. It can be taken apart for loading or storing by simply removing two cotter pins and giving the discs a slight turn. One great feature is the closeness with which the discs run together in the center. It is practically an overlap har-

row. As one gang runs about six inches behind the other, which allows it to cut within one inch, it leaves no ridge behind it. It has the easiest seat of any harrow made and all things considered, we claim it to be the most perfect and durable harrow on the market. We are the exclusive selling agents and want good agents in all unoccupied territory.

Price list: 12-16 in. Steel Discs, complete with whiffletree, yoke and scrapers, \$21.00. Discount for cash, \$1.00.

Same Harrow with cut-out Discs, \$22.00. Discount for cash, \$1.00.

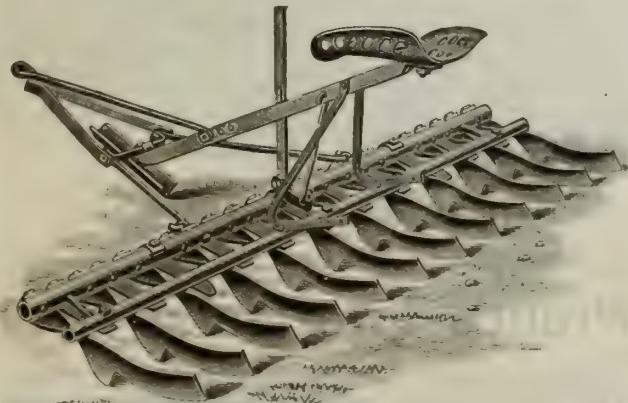


THE ELDRIDGE SHOWING FLEXIBILITY.



THE ELDRIDGE CUT-OUT DISC.  
The best Cut-Out Harrow made.

## The "Acme" Pulverizing Harrow.



A general purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection, all in one operation. While pre-eminently adapted for heavy, stubborn land, it can be adjusted, by means of the levers and runners, to do perfect work on the lightest soil. It cuts the entire surface without disturbing sod or trash that has been turned under by the plow. It prepares a perfect seed bed, and also covers seed in the best manner. The draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible.

### PRICE.

No. 23. Regular size, 1 and 2 horse, made in two sections. List price, \$18.00. Discount for cash with order, 10 per cent.

## The Badger One-Horse Spring Tooth Harrow and Cultivator.



This is one of the handiest tools a farmer can have. It will do work equally as well as a two-horse harrow, having the same teeth, only a trifle smaller. We offer this harrow at a very low price.

Price, \$10.00. Discount for cash, 50c.

## The Syracuse One-Horse Spring Harrow.

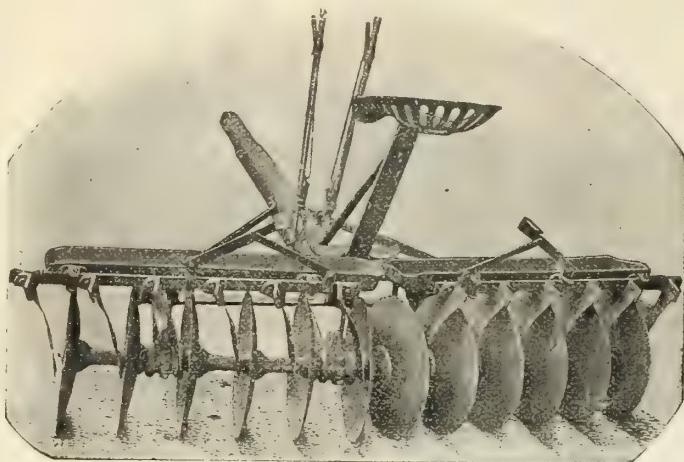


We have sold this harrow for the past four seasons and it has given perfect satisfaction. It has ten spring teeth, oil tempered and is adapted for all kinds of work.

List Price, \$10.00. Discount for cash, 50c.

## The Reliance Disc Harrow

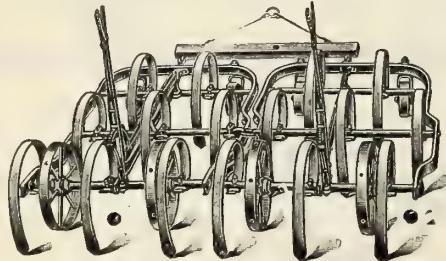
With Steel Weight Boxes. 12 16-inch Steel Discs.



The Reliance Disc Harrow, as shown above, is made especially for us, and is designed for farmers who want a harrow with weight boxes so that it can be weighted to work on very hard soil. The boxes are also very handy to throw loose stones into while at work harrowing. All parts except the discs are painted bright red.

List Price, \$22.00 Discount for cash, \$1.00.

## Quail Spring Tooth Harrow



The Reed Harrow is our best spring Harrow. It is made of very best material throughout and has two levers for raising and lowering the teeth.

Price, 15-Tooth, \$17.00. Discount for cash, 50 cents.

With seat \$1.50 extra.

The Original

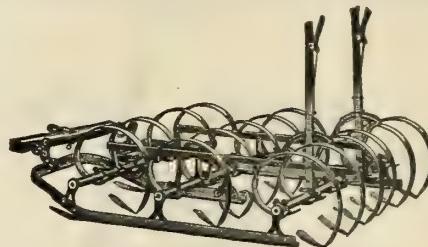
## Perry Spring Harrow



This is the first Spring Tooth Harrow ever offered for sale, and it has many friends today. For durability, it is equal to any harrow made. The wood frame is lined with carbon steel, bolt heads protected, teeth cannot get loose.

List price, 16 teeth, \$11.00. Discount for cash, \$1.00.

## The Monarch Spring Tooth Lever Harrow



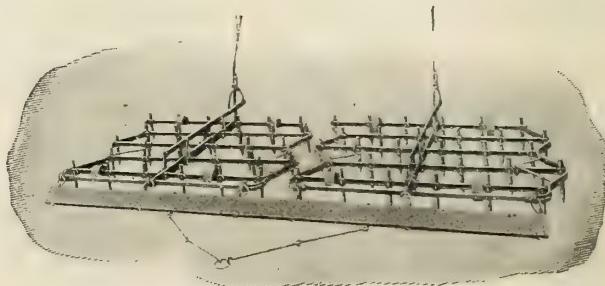
Having some calls for a spring harrow with shoes instead of wheels, we have added to our already large line of harrows this make, and while it has to be hauled to and from the field on the shoes instead of wheels, we believe it will do just as good work, and is as durable as any harrow on our list.

List Price, 15 teeth, \$15.50.

" " 17 teeth, \$16.50.

Discount for cash, 50c.

## BIG 5 Jr. SPIKE TOOTH SMOOTHING HARROW



This harrow is designed as a leveling harrow, and for covering all kinds of grain and grass seed. Is also used largely for cultivating corn just after it comes up. The teeth are adjusted by means of a lever, and can also be thrown up from the ground and harrow transported to and from the field on the shoes at the end. Each tooth is held in place by two bolts (nearly all others have but one), and the entire harrow is made of steel.

List price, 60 teeth, \$13.00. Discount for cash, \$1.00.

List price, 50 teeth, \$12.00. Discount for cash, \$1.00.

## Prout's Two-Horse Hoe.

To those unacquainted a brief description of this machine will undoubtedly prove of interest. Each Standard as shown in the cut has two Hoes attached, and in working one set of hoes work on one side of the hill and the other on the opposite side, hoeing a row at a time. The hoes operate same as a hand hoe, moving fresh earth to the plant, and crowding the old dry earth away from the plant, the work being done much more quickly and thoroughly than when hand hoes are used.

Unlike the cultivators and horse hoes now in common use, the *whole surface* for the distance of two feet, more or less, on each side of the plant is cut over, and all the weeds removed. The hoes being made tapering permit of cutting close up to the plant without injury to corn roots which run close to the surface.

List Price, with Wheels, \$25.00; Cash Price \$20.00

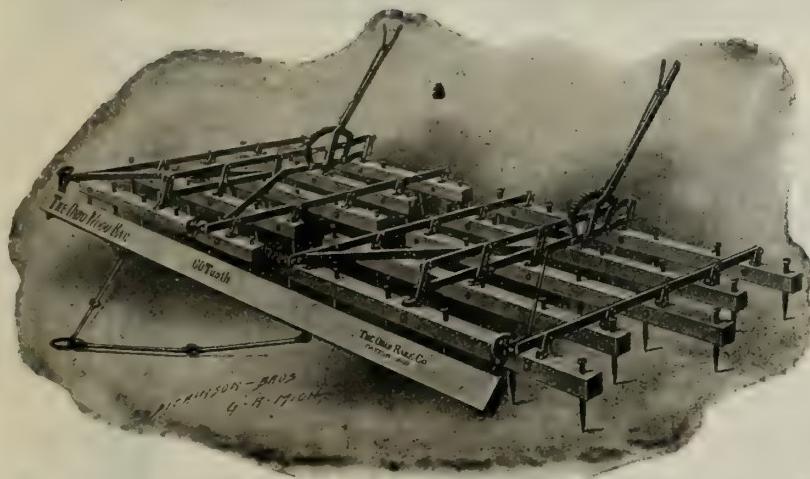
" " no " \$23.00; " " 18.00



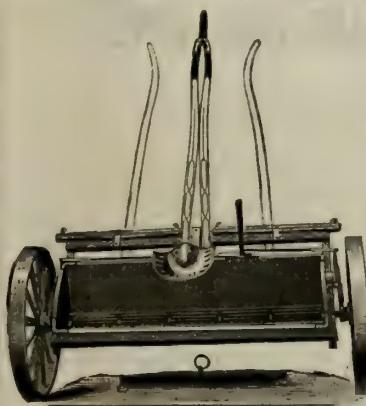
**Planet Jr. No. 72, Riding Cultivator.**

No. 72 Planet Jr. Two-row Pivot Wheel Cultivator, Plow, Furrower and Ridger. With Lever Adjustable Gauge, price, \$52.50; weight, packed, 560 lbs. No. 70, Three-lever, list, \$40.00; weight, 465 lbs.

Five per cent. discount for cash.

**THE WOOD BAR SMOOTHING HARROW.**

With lever for adjusting the teeth. This is the best Wood Bar Harrow made. Price, 60 Tooth, \$11.00. Discount for cash, 50 cents.

**The Stevens Fertilizer Sower.**

Unequalled for top-dressing grass lands, lawns or large parks.

List price, \$45.00. Discount for cash, \$5.00.

The latest improved and best machine for sowing all kinds of artificial fertilizer, such as bone phosphate, cotton seed meal, lime, ashes, etc., either damp or dry, in drills or broadcast.

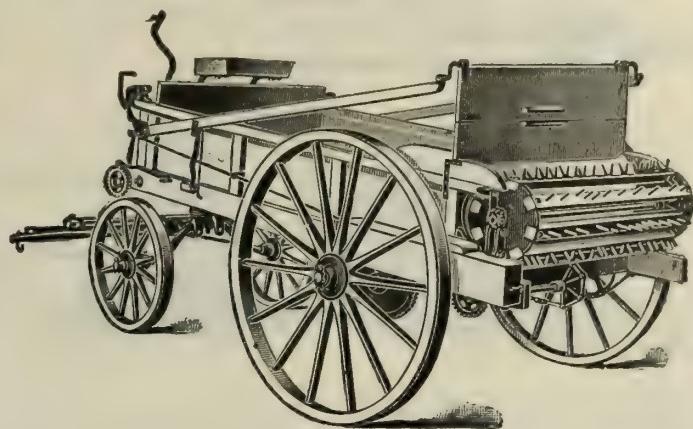
**McWhorter Hand Fertilizer Sower**

This fertilizer sower can be instantly changed so that the stream is divided from one into two or more streams, and thus be applied beside or on two or more rows of plants at the same time. The spouts or channels through which it passes to the ground open and close, so that starting with a width of about 4 inches the spread can be gradually increased to 30 inches. This is especially adapted for top dressing strawberry beds and lawns.

Price, \$10.00. Discount for cash, \$1.00.

**The Twentieth Century Manure Spreader**

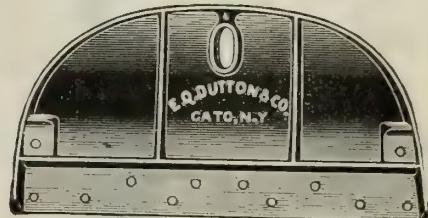
IMPROVED 1906.



Mr. Kemp's latest invention, and the best Spreader on the market at the present time. The original tight box Spreader, and the only machine that will sow commercial fertilizers, ashes, chemicals, lime, etc.

**AA—30 Bushels, price, \$110.00. BB—40 Bushels, price, \$115.00.  
CC—50 Bushels, price, \$120.00.**

Send for complete catalogue.

**Cast Iron Boat Head.**

The illustration below shows a simple device whereby a stone boat can be made in a few minutes by using a straight plank with the addition of the Iron Head. Anyone in need of a stone boat will readily see how easy it is done, and as one head will last for years, it is not only cheap but durable.



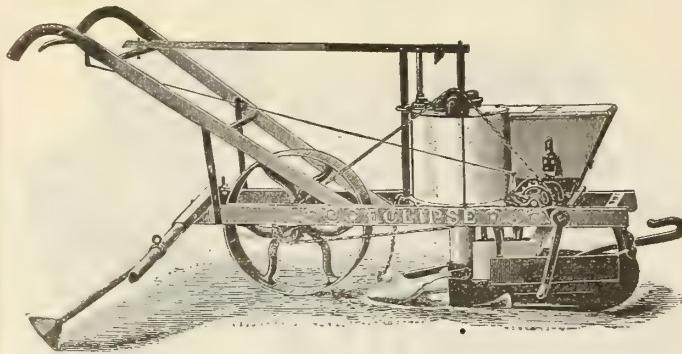
BOAT COMPLETE.

Price of Head Only \$3.50. Boat Complete \$7.50.

**Farmer's Friend Seed and Fertilizer Sower**

Attaches to any ordinary farm wagon, and sows to perfection grass and grain seeds of all kinds and in any desired quantity per acre, 50 to 100 acres a day. It also distributes all dry commercial fertilizers; also ashes, land plaster, lime, etc. It has a positive force feed and an adjustment opening the holes from  $\frac{1}{4}$  to  $1\frac{1}{2}$  inches, which allows the sowing of seeds of any size; the flow can be shut off anywhere, either on one side or the other, or altogether, as required; it is instantly thrown in or out of gear. Price, complete to attach to wagon, \$10.00. Discount for cash, \$1.00.

## Eclipse Corn Planter and Fertilizer Distributer.



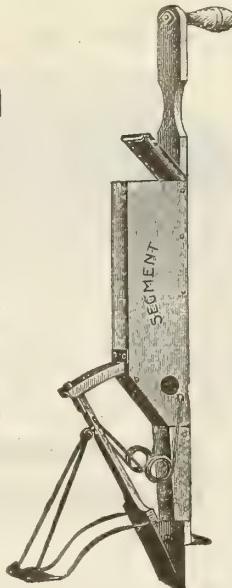
Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks; it will drop 6, 12, 24, or 36 inches apart. By scattering pumpkin seeds in with the fertilizer in filling the hopper will place seeds in hills when planting corn. It accurately distributes from 50 to 450 lbs. as desired, of commercial fertilizer, wet or dry, in the rows of hills, first drawing moist earth on the seed before the fertilizer is dropped each side of the seed, and all is covered to a uniform depth. Price complete, \$21.00; discount for cash, \$1.00.

## The Segment One-hand Corn and Bean Planter.

Lightest, most accurate, strongest and most up-to-date planter on the market. All parts are interchangeable.

**Price, \$1.75.**

Discount for cash,  
25 cents.



## ASPINWALL POTATO PLANTER No. 3.

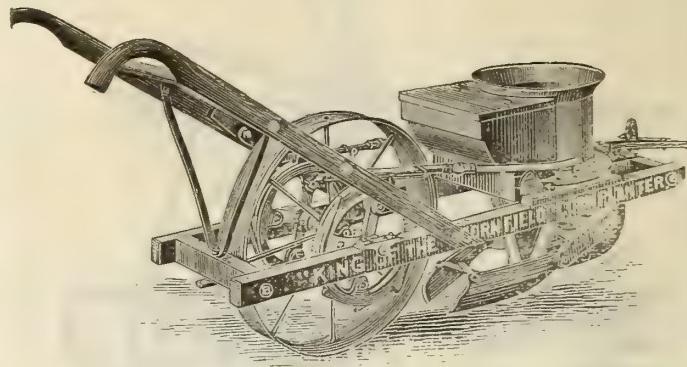
List price with fertilizer attachment and disc coverers, \$75.00.  
Discount for cash, \$5.00.

THIS MACHINE PLANTS A GREATER RANGE OF SEED, both as to size and shape, than ever before; and handles it with the least possible friction or wear. To regulate the distance of planting—simply a change of gear wheels, which can be made in less time than it would take to replace one picker. In lieu of the cumbersome wooden structure, a CANVAS HOPPER has been substituted, which overcomes all tendency to clog or bridge with either whole or cut seed. BOTH THE FEED AND COVERER TENSION ARE REGULATED FROM THE SEAT, NO removal of bolts—simply turning a thumb screw does the work. Withal, it is the lightest in construction and draft, also the most beautiful in design, of any planter ever made.



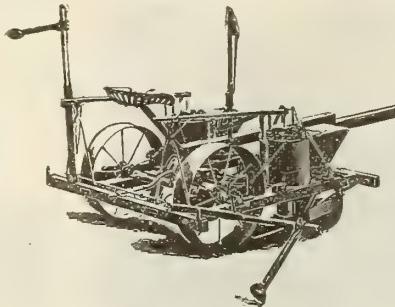
## "KING OF THE CORNFIELD."

Corn, Bean and Pea Planter  
and Fertilizer Distributer.



Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or 4½ or 9 inches from corn, as desired. The fertilizer may be put with the corn and left out of the beans, if desired to do so. List price, \$21.00; discount for cash, \$1.00.

## Eclipse Two-row Two-horse Corn Planter.



The most complete, accurate, durable and easily handled double row corn planter in the market. All the good points found in the well-known and popular "ECLIPSE SINGLE ROW PLANTER" are retained in this machine. Rows 36, 38, 40 and 42 inches apart. The new Marker Device, used for two seasons with perfect success on the single row Eclipse, is used on this. One move of the lever throws the machine out of gear, and at the same time raises the planter and coverers ready for turning the team at end of rows

Price, \$50.00. Discount for cash, \$2.50.

## Automatic Hand Corn Planter.

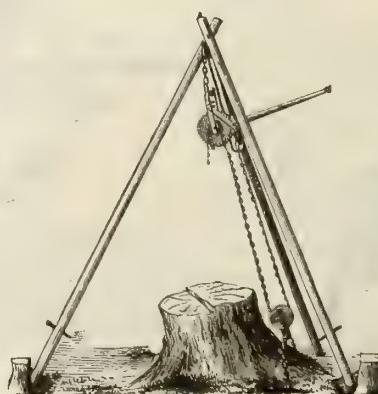


Very handy for re-planting, and for small gardens.

**Price, \$2.00.**

Discount for cash,  
25 cents.

## STUMP PULLER AND ROCK LIFTER

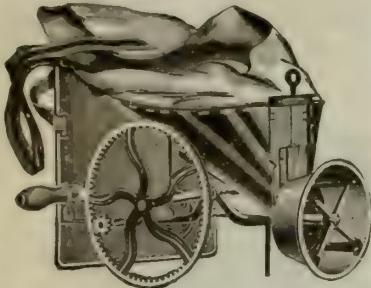


Simplest and most efficient device on market for pulling stumps and lifting stones and handling heavy bodies.

Price complete with tripod \$28.00.

Without tripod \$25.00.

## Cahoon's Improved Broadcast Seed Sower.



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 from each side of the operator); lighter seeds, of course, will not be thrown so far.

Price, \$3.50.

## Steel Frame Cultivator, No. 123.



This series of Cultivators meets the demand for a good cultivator at a low price. The points and standards are of the same stock as used in No. 101, but the frame is somewhat shorter and a trifle lighter. The standards are adjustable for pitch. List price, \$6.00. Discount for cash, 50 cents.

## Dunham All Steel Land Roller.

With solid steel head. Cannot break and will not fill with gravel and stones. The most durable roller made.

The Dunham Steel Land Roller with New Steel Brackets, will not break or bend. These brackets are supplied with a removable Babbit Metal journal boxing and are equipped with a large oil chamber that requires attention but once a year. These features together with the Lathe Turned Journal make a bearing that will wear for years. The drums are made of heavy plates of high carbon steel, guaranteed not to dent. The shafts are  $1\frac{1}{2}$  in. in diameter. Heavy angle steel frames, easy riding, double leaf seat spring, seat so adjusted as to counteract the weight of tongue on horses' necks. All of these are valuable features and should be on the Roller you buy, for you want the best.

No. 6—6 foot, 24-inch diameter, List, \$28.00.  
No. 7—7 foot, 24-inch diameter, List, \$30.00.  
No. 8—8 foot, 24-inch diameter, List, \$32.00.

Discount for Cash, \$2.00.

All Rollers have 3 sections.

## THOMPSON'S SEEDER.

For Broadcasting Grass, for sowing Red Top, Clover, Timothy, and all Mixed Seeds. Light, strong and simple.

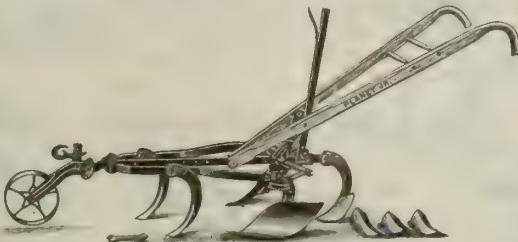


SEEDER No. 5. Sows all varieties of Clover, Timothy, Hungarian, Millet, Alfalfa, Chaffy Seeds, like Red Top, Orchard Grass and Kentucky Blue Grass. This style machine is made expressly for New England trade. List price, \$10.00. Discount for cash, \$1.50.

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. This box fits on to No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. List price, \$5.00. Discount for cash, \$1.00.

No. 5 Seeder and No. 4 Grain Box. List price, \$15.00. Discount for cash, \$3.00.

## PLANET JR. HORSE HOE, No. 5. HORSE HOE AND CULTIVATOR.



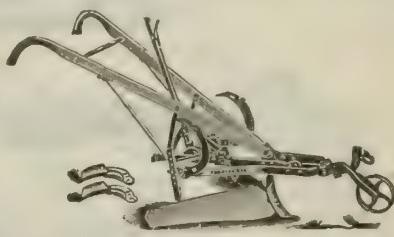
This is similar to No. 9, without the handle brace, and has a cheaper, but good substantial adjusting lever, and is furnished with five steel plates and hillier attachment as shown in cut. List price, \$7.35. Discount for cash, 50c.

## The Cyclone Broadcast Seeder.



This is the cheapest and best of the hand seed sowers on the market, and every one sowing one acre or more of grass seed or grain cannot afford to be without it. Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. The machine is first-class in every respect. We guarantee the seeder to give satisfaction, or money refunded. Net price, \$1.50.

## Steel Frame Cultivator, No. 124.



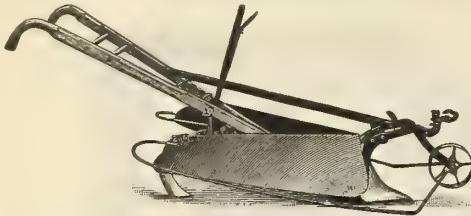
This tool is similar to the No. 123, but in place of the short steel hillier wing we use the long hillier, same as on No. 101. This makes a lighter tool and one that can be used for furrowing as well as hillng, and it is sold at a very low price. List price, \$7.00. Discount for cash, 50 cents.

## Steel Frame Cultivator, No. 101.



This Cultivator is simple, strong and easy to operate. Has no "Dead Centers," and no Loose Joints. The frame and standards of these cultivators are very strong; made of solid steel; the side bars are so curved as to make the teeth run parallel, and also to make all standards interchangeable.

List Price, \$8.00. Discount for cash, 50 cents.

**The Planet Jr. Celery Hiller**

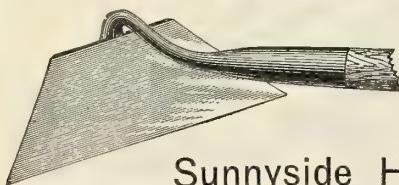
This tool is used largely by celery growers for banking celery in the fall. We can furnish both single or double. The single is used mostly, and will do the work of five men.

List price, double, \$15.00  
List price, single, 12.00

Discount for cash, 50 cents.

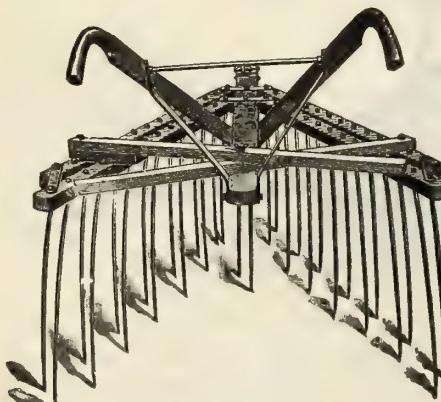
**The "Fire-Fly" Plow**

This tool is invaluable for those who have small gardens. The moldboard is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Very useful to plow up the chicken yards.  
Price, \$2.50.

**Sunnyside Hoe**

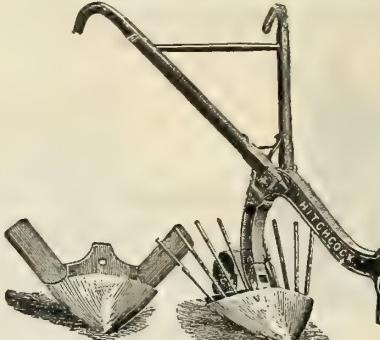
The above cut shows the Sunnyside or Strawberry Hoe, invented several years ago by one of our largest strawberry growers and since then used by several of the leading fruit growers in the state. It is especially adapted for small fruits and close cultivation.

Price, each, 40 cents.

**Keystone Adjustable Weeder**

List price, \$10.00. Discount for cash, \$1.00

Flat Tooth \$1.00 extra.

**THE HITCHCOCK POTATO DIGGER  
And Shovel Plow Combined**

For digging and hilling potatoes.  
Price complete, \$10.50. Without hillier, \$8.00.

**SHOVEL PLOW**

Price, \$3.00

Discount for cash

25 cents

**New Model Horse Hoe**

Cheapest and best two-horse hoe on the market. Can be used for furrowing out, covering and hilling up.

Price \$8.00. Discount for cash, \$1.00.

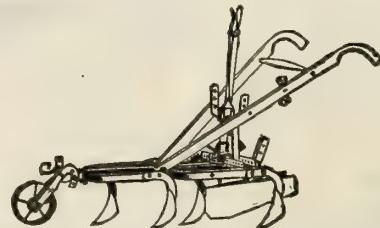
**Arlington Slide Hoe**

Used by nearly all of the large market gardeners. Where there are no stones it will do excellent work and do it fast. Made in three sizes. 8 in., \$1.50; 9 in., \$1.65; 10 in. \$1.75.

**Spike Tooth Cultivator and Harrow**

Designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level.

List price, \$6.00. Discount for cash, 50 cents.

**Centennial Horse Hoe**

This is the most durable Horse Hoe and Cultivator on the market. The expanding lever always works easy, as it has no dead centers.

Price, \$8.00. Discount for cash, 50 cents.



A low-priced, but very efficient little implement for flat or scuffle hoeing. Price, \$1.50.

**SPRING TOOTH CULTIVATOR**

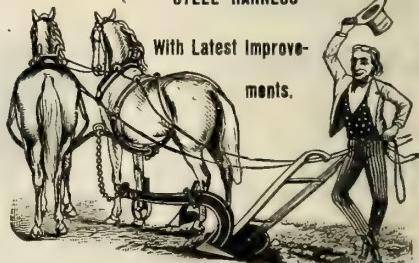
This Cultivator is especially adapted for use in stony ground. The teeth are fine oil-tempered springs; and are alike and interchangeable; they are also adjustable for angle and depth.

Expanding lever, five spring teeth and Wheel.



List price \$6.50.

Discount for cash, 50 cents.

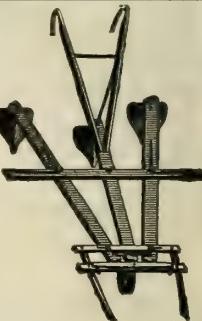
**SHERWOOD STEEL HARNESS**

List price, \$13.00. Discount for cash, \$1.00

**THE GOSLEE IMPROVED MARKER****Adjustable Tooth  
Spreads 2 to 4 Feet**

This machine is designed to mark out rows of any width, and in doing so it makes a furrow suitable for planting.

Price, \$7.50. Discount for cash, 50 cts.



## THE PLANET JR. FAMILY.



PLANET JR. NO. 25

Combined Drill  
and Double  
Wheel Hoe

Price, - \$14.00



PLANET JR. NO. 4

Combined Drill  
and Single  
Wheel Hoe

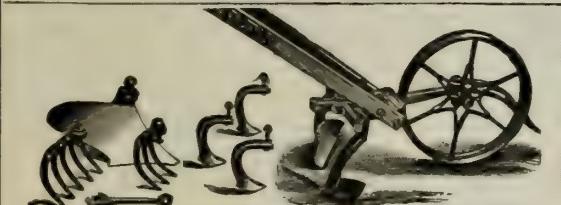
Price, - \$11.50  
Plain, \$9.50



PLANET JR. NO. 3

Hill Dropping Drill  
Sows In Drills  
or Hills

Price, - \$11.00



PLANET JR. NO. 16

Single Wheel Hoe  
with Attachments

Price, \$6.50



PLANET JR. NO. 15

Single Wheel  
Hoe Complete

Price, \$7.25



PLANET JR. NO. 17

Single Wheel Hoe  
Price, No. 17, \$5.25  
No. 17½, 4.75  
No. 18, 3.75  
No. 17½ is same as No.  
17, less the plow.  
No. 18 is same as No.  
17, with hoes only.



PLANET JR. NO. 12

Double Wheel Hoe

Price, - \$7.35



PLANET JR. NO. 13

Double Wheel Hoe

Price, - \$5.00



PLANET JR. NO. 11

Double Wheel  
Hoe Complete

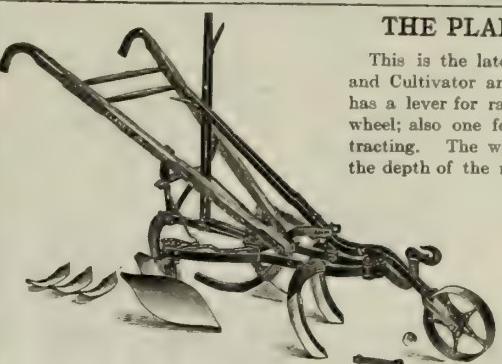
Price, - \$9.50



No. 19

Single Wheel Hoe

Price, - \$4.00

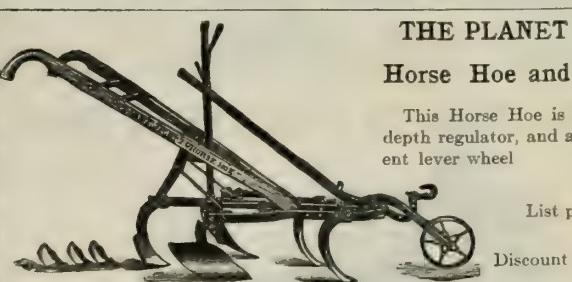


THE PLANET JR. NO. 8

This is the latest pattern Horse Hoe and Cultivator and as shown in cut, it has a lever for raising and lowering the wheel; also one for expanding and contracting. The wheel lever also governs the depth of the rear end by means of a shoe, which is a great advantage in sandy ground.

List price, \$9.50.

Discount for cash,  
50c.



THE PLANET JR. NO. 7

Horse Hoe and Cultivator

This Horse Hoe is No. 8, without depth regulator, and a slightly different lever wheel

List price, \$9.00.

Discount for cash, 50c.

## No. 9 HORSE HOE AND CULTIVATOR

This admirable tool is identical with the No. 8, except that it has a plain instead of a lever wheel. It has the high frame, patented hollow steel standards, patent lever Star wheel, new lever expander, and new hollow steel wheel arms.

List price, \$8.00.

Discount for cash,  
50c.



## No. 4 HORSE HOE AND CULTIVATOR.

This tool is low in price, strong and simple; it has the old favorite stirrup clamp and plain expanders; they cost a trifle less than the lever.

List price, \$7.00.

Discount for cash, 50c.

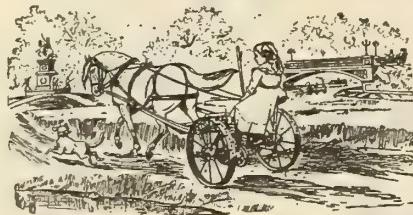
## The Planet Jr. 12-Tooth Harrow, Cultivator and Pulverizer



This thorough working and convenient tool has grown in favor among strawberry growers, market gardeners, truckers and farmers. This is because the twelve chisel-shaped teeth do such capital work, without throwing earth on small plants.

List price, with pulverizer as shown, \$9.50  
plain wheel and no pulverizer, \$7.25  
Less pulverizer, \$7.75  
With discount for cash, 50c.

## THE IDEAL DEERING MOWER.



This machine runs on ball and roller bearings and is without doubt the lightest and stillest running machine ever made. We will gladly mail catalogue describing it fully.

### PRICES.

**4 Foot for one horse, \$40.00**

**4 1-2 Foot for two horses, \$43.00**

**5 Foot for two horses, \$43.00**

**6 Foot for two horses, \$48.00**

## DEERING CORN HARVESTER

**PRICE, \$125.00.**

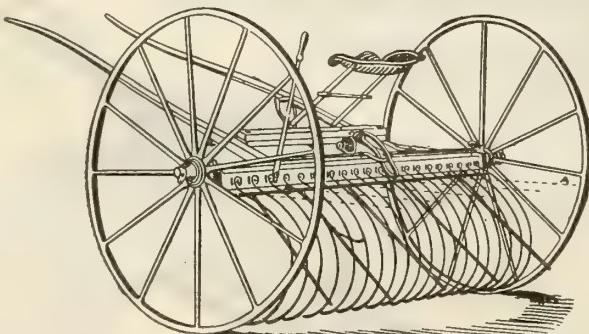
## DEERING IDEAL HAY RAKE--Steel Frame



This rake is made to supply the demand for an all steel rake. We believe this is the best of the entire lot. It is a horse dump rake. Strength and simplicity are two features in its construction, and we recommend it to anyone in want of a steel rake.

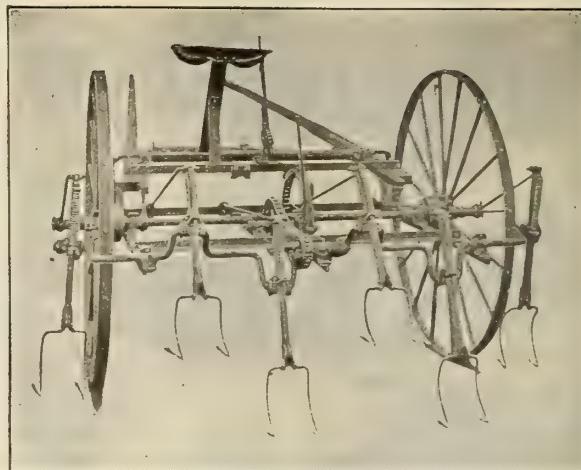
Price, \$22.00. Discount for cash, \$1.00.

## NEW YORK CHAMPION RAKE.



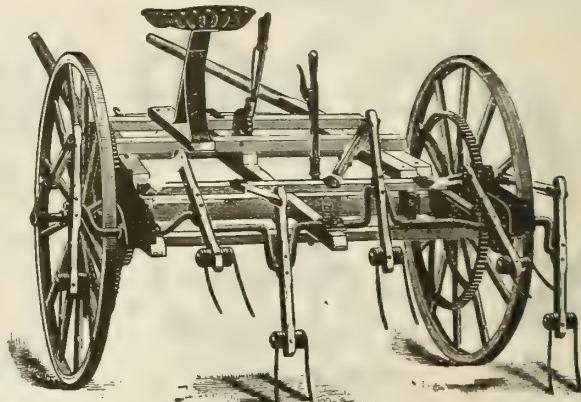
It is impossible to find all the good points in any one tool, but this rake will properly rake green hay and aftermath better than any other rake. It has the sled runner tooth, is a self-dumping rake, and is easily operated by any one capable of driving a horse. There are several imitations on the market. Be sure and get the GENUINE. List price, \$20.00. Discount for cash, \$1.00.

## THE MONARCH STEEL HAY TEDDER WITH CENTER CHAIN DRIVE

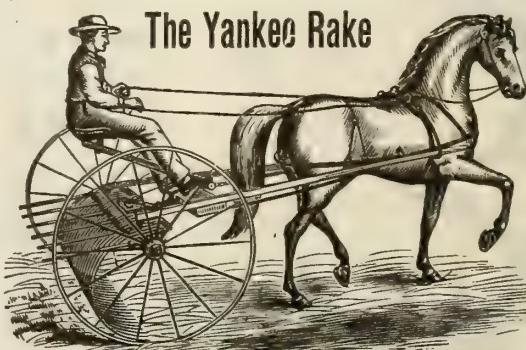


The Monarch Steel Hay Tedder shown above is the latest thing out for a Chain Driven Tedder. It is made of first-class steel by skilled workmen. The Wheels are extra heavy channel tire with staggered steel spokes. The Frame is made of continuous steel angle bars in one solid piece, no spliced corners, no bolts, or rivets to get loose. It has great strength at all points. The Crank Shaft is made of the very best tool steel with turned bearings, and broad journal boxes. The Fork Arms are made of boiler tube, and relief coil crucible steel spring is provided for each tooth. It has a double seat support and separate levers for throwing in and out of gear and for raising and lowering the teeth, both within easy reach of the driver. Has six forks, combined pole and shafts to be used with one or two horses. Price, \$32.00. Discount for cash, \$2.00.

## THE BAY STATE WOOD FRAME HAY TEDDER.



This is the neatest and most substantially built wood frame hay tedder on the market. It has a solid steel axle and on stony ground we recommend this to any other tedder as we believe a wood frame and wood wheels, if properly housed will last longer than steel. The fork arms are made of the best hard wood. It has two levers, one throwing in and out of gear and one for raising and lowering the forks for uneven ground. It has combined pole and shafts so it can be used for either one or two horses. It is the best wood frame hay tedder on the market, made in one size only, six froks. List price \$30.00 discount for cash \$2.00.



## The Yankee Rake

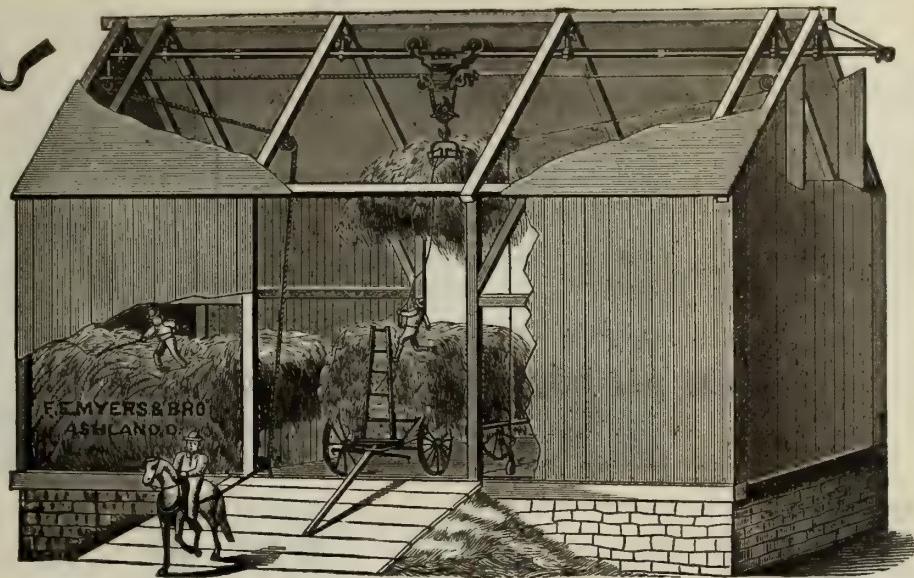
This is the old reliable Yankee, which needs no introduction. It is a very easy rake to operate, each tooth being independent; it will pass over large stones without breaking the teeth. It is so easy to operate that a child can handle it.

List price, \$21.00.  
Discount for cash, \$1.00.

# Reversible Steel Track Hay Carriers.

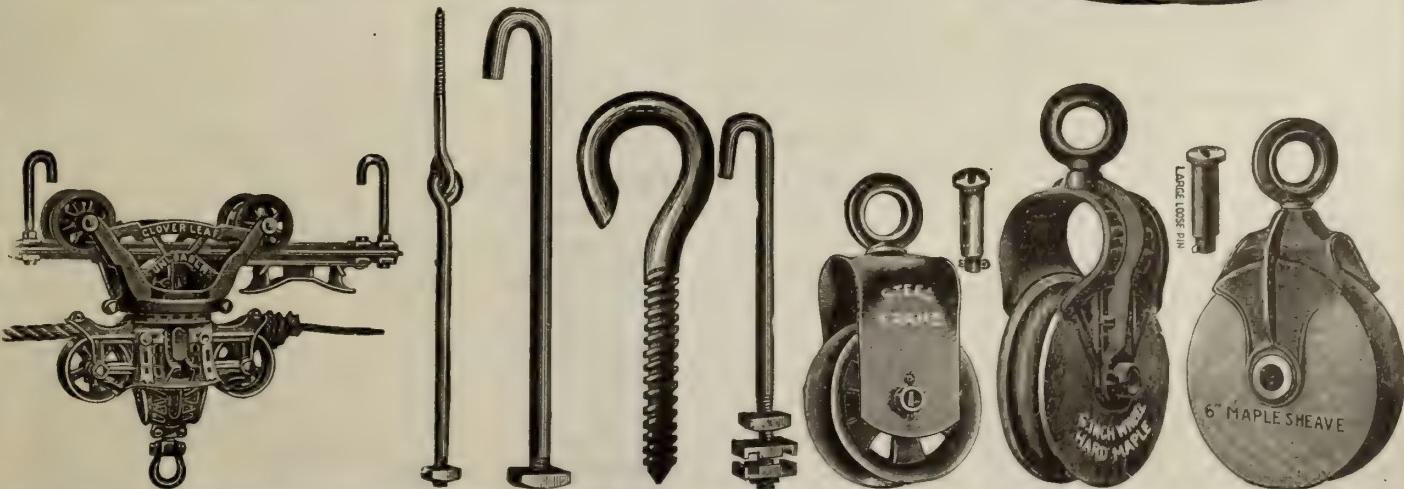
# No Barn Is Complete Without One of These Rigs.

Our carriers for rod, wood, or steel track are the most durable and easiest rigs to operate of any on the market. Any one with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, will name you price for complete job.



## PRICES.

|                                            |   |   |   |        |
|--------------------------------------------|---|---|---|--------|
| Reversible Carrier, each                   | - | - | - | \$5.00 |
| One Way Carrier, each,                     | - | - | - | .50    |
| Wood Track Carrier, each,                  | - | - | - | 5.00   |
| Steel Track, per foot,                     | - | - | - | .14    |
| Steel Hanger Hooks, per dozen,             | - | - | - | 1.00   |
| Malleable Iron Rafter Brackets, per dozen, | - | - | - | .50    |
| Jointed Hanger Hooks, per dozen,           | - | - | - | 1.25   |
| Four Tine Grapple Forks, each,             | - | - | - | 4.50   |
| Six Tine Grapple Forks, each,              | - | - | - | 5.50   |
| Double Harpoon Forks, each,                | - | - | - | 1.25   |
| Knot Passing Pulleys, each,                | - | - | - | .25    |
| Common Pulleys, each,                      | - | - | - | .20    |
| Rope Hitch, each,                          | - | - | - | .25    |
| Floor Hooks, each,                         | - | - | - | .10    |
| Steel Grapple, each,                       | - | - | - | .50    |



## Number of feet of drill which can be sown, or number of plants produced from a given quantity of seed

Asparagus, 1 oz.—60 feet of drill—200 to 300 plants  
 Beans, Dwarf, 1 qt.—100 feet of drill.  
 Beans, Pole, 1 qt.—150 hills.  
 Beet, 1 oz.—50 feet of drill.  
 Cabbage, 1 oz.—2500 to 3000 plants.  
 Cauliflower, 1 oz.—2500 to 3000 plants.  
 Celery, 1 oz.—3000 to 4000 plants.  
 Corn, 1 qt.—200 hills.  
 Corn Salad, 1 oz.—100 feet of drill.  
 Cress, 1 oz.—150 feet of drill.  
 Cucumber, 1 oz.—50 hills.  
 Dandelion, 1 oz.—200 feet of drill.  
 Egg Plant, 1 oz.—1000 plants.  
 Endive, 1 oz.—150 feet of drill.  
 Kale, 1 oz.—200 feet of drill.  
 Kohl Rabi, 1 oz.—200 feet of drill.  
 Leek, 1 oz.—100 feet of drill.  
 Lettuce, 1 oz.—3000 to 4000 plants.  
 Martynia, 1 oz.—50 feet of drill.

Melon, Musk, 1 oz.—60 hills.  
 Melon, Water, 1 oz.—30 hills.  
 Mustard, 1 oz.—40 feet of drill.  
 Nasturtium, 1 oz.—50 feet of drill.  
 Onion, 1 oz.—100 feet of drill.  
 Onion Sets, 1 qt.—50 feet of drill.  
 Parsley, 1 oz.—100 feet of drill.  
 Parsnip, 1 oz.—100 feet of drill.  
 Peas, Small seeded varieties, 1 qt.—**150 feet of drill**.  
 Peas, Large wrinkled, 1 qt.—**100 feet of drill**.  
 Pepper, 1 oz.—1500 to 2000 plants.  
 Pumpkins, 1 oz.—12 to 18 hills.  
 Radish, 1 oz.—100 feet of drill.  
 Salsify, 1 oz.—50 feet of drill.  
 Spinach, 1 oz.—50 feet of drill.  
 Squash, Summer, 1 oz.—30 to 40 hills.  
 Squash, Winter, 1 oz.—12 to 15 hills.  
 Tomato, 1 oz.—2000 plants.  
 Turnip, 1 oz.—150 feet of drill.

## Weight per bushel of grass, grain and field seeds, and quantities required per acre

Several varieties of grasses following are unsuitable for growing alone, (see descriptions in general list) the quantities indicated may, however, aid in determining the amount required when used in mixtures.

### Grass Seeds

|                               | Weight per bushel. | Quantity per acre. |
|-------------------------------|--------------------|--------------------|
| Creeping Bent                 | 15 pounds          | 50 pounds          |
| Crested Dogs-tail             | 30 "               | 30 "               |
| Blue Grass, Canada            | 14 "               | 40 "               |
| Blue Grass, Kentucky          | 14 "               | 40 to 50 "         |
| Fine Leaved or Slender Fescue | 22 "               | 35 "               |
| Hard Fescue                   | 20 "               | 30 "               |
| Italian Rye Grass             | 22 "               | 50 "               |
| Meadow Fescue                 | 16 "               | 30 "               |
| Meadow Foxtail                | 9 "                | 8 "                |
| Orchard Grass                 | 14 "               | 40 to 50 "         |
| Red or Creeping Fescue        | 24 "               | 30 "               |
| Red Top, Common               | 14 "               | 50 to 60 "         |
| Red Top, Extra Clean          | 36 "               | 20 "               |
| Rhode Island Bent             | 14 "               | 50 "               |
| Rough Stalked Meadow          | 26 "               | 20 "               |
| Sheep's Fescue                | 16 "               | 35 "               |
| Tall Fescue                   | 22 "               | 40 "               |
| Tall Meadow Oat               | 12 "               | 50 "               |
| Timothy                       | 45 "               | 25 to 40 "         |
| Various Leaved Fescue         | 15 "               | 40 "               |
| Wood Meadow                   | 19 "               | 30 "               |

### Millets

|                  | Weight per bushel. | Quantity per acre. |
|------------------|--------------------|--------------------|
| German or Golden | 50 "               | 40 to 50 "         |
| Hungarian        | 48 "               | 48 "               |
| Japanese         | 35 "               | 15 "               |
| Siberian         | 50 "               | 40 to 50 "         |

### Clover

|            | Weight per bushel. | Quantity per acre. |
|------------|--------------------|--------------------|
| Alfalfa    | 60 pounds          | 15 to 25 pounds    |
| Alsike     | 60 "               | 15 "               |
| Crimson    | 60 "               | 20 "               |
| Medium Red | 60 "               | 15 to 20 "         |
| Mammoth    | 60 "               | 15 to 20 "         |

### Grain

|           | Weight per bushel. | Quantity per acre. |
|-----------|--------------------|--------------------|
| Barley    | 48 pounds          | 2 to 3 bushels     |
| Buckwheat | 48 "               | 1 to 1½ "          |
| Oats      | 32 "               | 2½ to 3 "          |
| Rye       | 56 "               | 1 to 1½ "          |
| Wheat     | 60 "               | 1 to 1½ "          |

### Miscellaneous Seeds, for Forage or Grain Crops

|                    | Weight per bushel. | Quantity per acre. |
|--------------------|--------------------|--------------------|
| Corn Ensilage      | 56 pounds          | ½ to ½ bushel      |
| Corn, Sweet Fodder | 60 "               | 1 to 1½ "          |
| Corn, Flint        | 56 "               | 8 to 12 quarts     |
| Peas, Canada Field | 60 "               | 1 to 1½ bushel     |
| Peas, Cow          | 60 "               | ½ to 1 "           |
| Vetches            | 60 "               | 1 to 1½ "          |
| Rape, Dwarf Essex  | 56 "               | 4 to 8 pounds      |

## Number of plants, trees, etc., required to set an acre

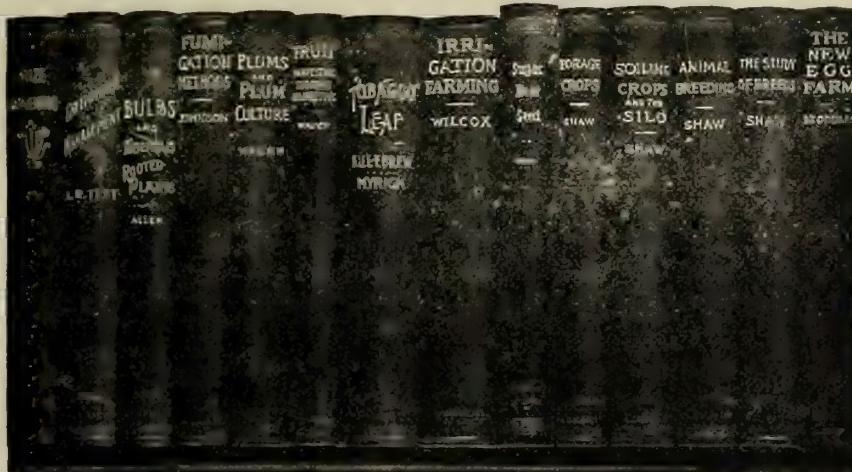
| Distance.        | Number. | Distance.        | Number. |
|------------------|---------|------------------|---------|
| 1 foot by 1 foot | 43,560  | 6 feet by 6 feet | 1,210   |
| 1½ " 1½ "        | 19,360  | 8 " 8 "          | 680     |
| 2 " 1 "          | 21,780  | 10 " 10 "        | 434     |
| 2 " 2 "          | 10,890  | 12 " 12 "        | 302     |
| 2½ " 2½ "        | 6,970   | 15 " 15 "        | 194     |
| 3 " 1 "          | 14,520  | 18 " 18 "        | 134     |
| 3 " 2 "          | 7,260   | 20 " 20 "        | 103     |
| 3 " 3 "          | 4,840   | 25 " 25 "        | 70      |
| 4 " 4 "          | 2,722   | 30 " 30 "        | 40      |
| 5 " 5 "          | 1,742   | 40 " 40 "        | 27      |

## Weight of various articles

|                                 | Per bushel. | Sweet Potatoes                      | Per bushel. |
|---------------------------------|-------------|-------------------------------------|-------------|
| Apples, dried                   | 48 lbs.     | Turnips                             | 56 lbs.     |
| Barley                          | " 22 "      | Beef and Pork per bbl., net         | " 58 "      |
| Broom Corn                      | " 48 "      | Flour, per bbl., net                | " 200 "     |
| Bran                            | " 46 "      | White Fish and Trout, per bbl., net | " 196 "     |
| Corn on Ear                     | " 20 "      | Salt, per bbl.                      | " 200 "     |
| Corn Meal                       | " 70 "      | Lime, per bbl.                      | " 280 "     |
| Charcoal                        | " 50 "      | Hay, well settled, per cubic foot   | " 220 "     |
| Coal, Mineral                   | " 22 "      | Corn, on cob, in bin                | " 4½ "      |
| Cranberries                     | " 80 "      | Corn, Shelled,                      | " 45 "      |
| Dried Peaches                   | " 40 "      | Wheat                               | " 48 "      |
| Irish Potatoes, heaping measure | " 28 "      | Oats                                | " 25½ "     |
| Malt                            | " 60 "      | Potatoes                            | " 38½ "     |
| Osage Orange                    | " 38 "      | Sand, Dry                           | " 95 "      |
| Onions                          | " 33 "      | Clay, Compact,                      | " 135 "     |
| Plastering Hair                 | " 54 "      | Marble,                             | " 169 "     |
| Salt, Coarse                    | " 8 "       | Seasoned Beech Wood, per cord       | " 5,616 "   |
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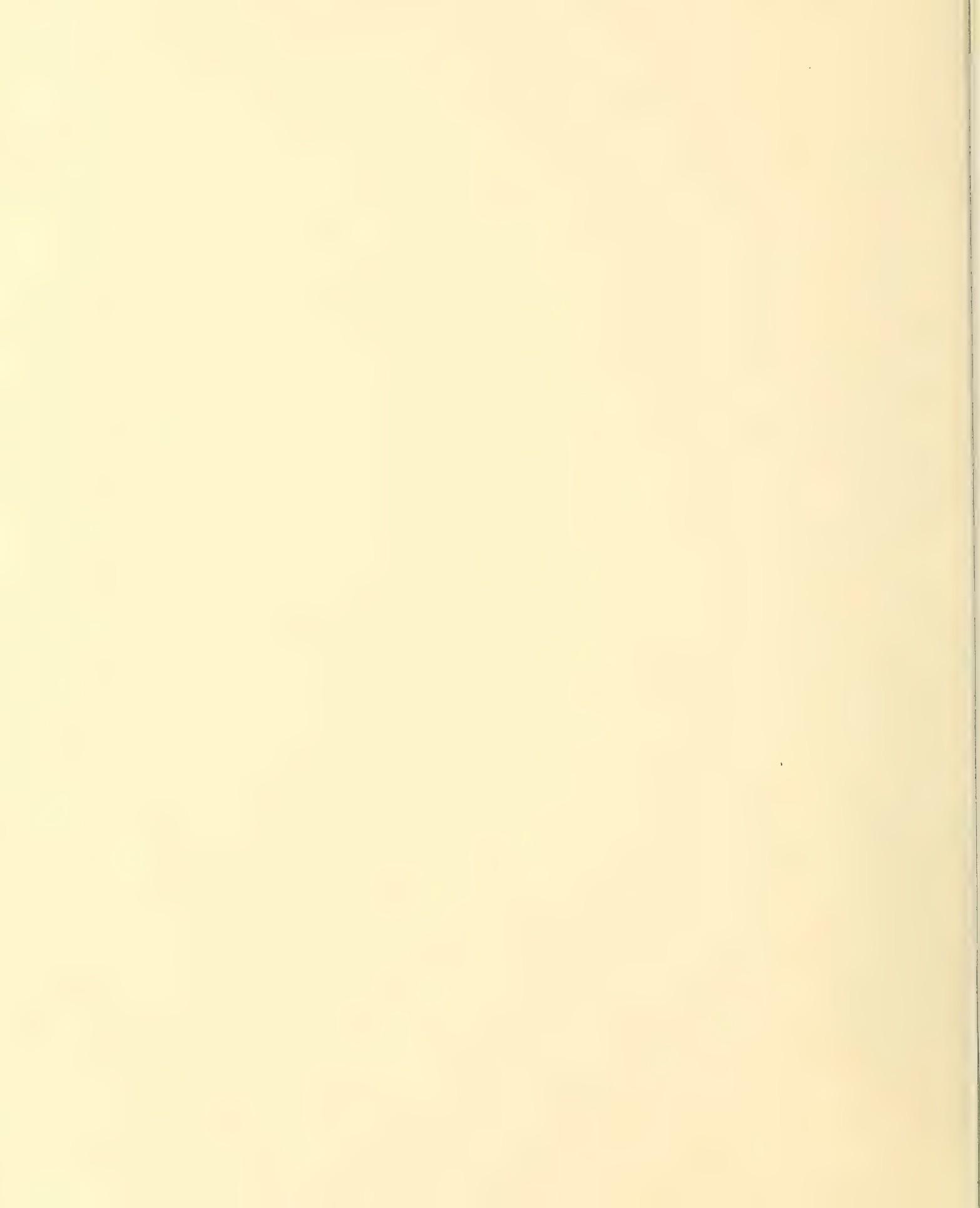
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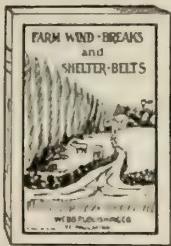
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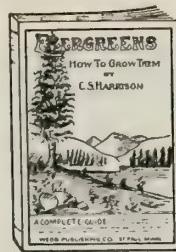
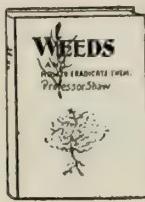
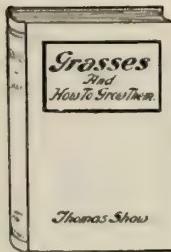


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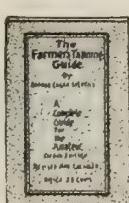
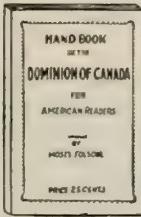


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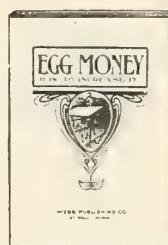
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